

RRPL Operations

- RRPL - Week of 08/19:
 - Production
 - Ac-225 Dispensing, Packaging, and Shipping
 - Ac-225 Waste Processing
 - Researchers
 - Separations and Labeling R&D

Coming weeks:

- Tentative Ce-134 Processing
- Th shipments to ORNL

BLIP Schedule / Future Irradiations

Proposed Start Date	Proposed End Date	LINAC Energy (MeV)	Current μA	Raster Conditions	Comments
8/16/2024	8/27/2024	200	150	10:1	No planned irradiations for remainder of CY24. Thank you for your continued support of IP.
TBD	TBD	117	62	5 mm	Considering irradiation of La after current irradiation. Accessing impact on BLIP/LINAc operations and waiting on LANL status / guidance from NIDC HQ.

BLIP Operation

- BLIP Tasks.
 - The Be and water windows – working towards replacing during this current maintenance cycle.
 - Roof repair completed on the Control Room section. The water diverters were removed. Noticed leaks in the same spots as before roof repair in the Control Room section above the computer desk. Water diverter reinstalled in the Control Room on 8/06. Still waiting for more materials to repair the section over the garage area
 - The irradiation season is extended: Th irradiation started on 8/16 and will end 8/27
 - Cooling system upgrade work on hold due to extended irradiation season until at least 8/27 but possibly 9/6. No decisions have been made beyond the 8/27 irradiation and more discussions will need to be had with C-AD and maintenance to understand impacts.
 - Waiting for the printing shop to make new sign for the confined space on the pump pit cover

Cyclotron Activities

Commissioning Path Forward: Started Commissioning Module II

- Commissioning is on hold pending resolution of RF breaker trip issue
 - RF breaker trip issue
 - Initiated USI to bypass ACG interlock for RF breaker trip issue. Anticipate C-AD RSC/AESRC review next week.
 - Remaining RF and source bias interlock tests will be completed when RF breaker trip issue is resolved.
 - Vault room temperature / humidity controls path forward
 - MPO developing CURL project to replace entire unit.
 - WO submitted to AC group for high humidity alarm in vault.
 - COBOT testing/programming
 - Risk assessment - scope widened and approved for addition of N2 cylinder and digital I/O wiring and testing of solenoid valves for gripper actuation. Testing with pneumatic gripper using target adapter plate to simulate target loading and unloading with target holder.
 - Contacting vendors to assess new electric gripper.