

RRPL Operations

- RRPL - Week of 09/09:
 - Production
 - Ce-134 Processing/QC/Dispensing
 - Th Target Waste
 - Researchers
 - Separations and Labeling R&D
 - Nanocage trapping of Xe-125

Coming weeks:

 - Ac-225 Processing

BLIP Schedule / Future Irradiations

Proposed Start Date	Proposed End Date	LINAC Energy (MeV)	Current μA	Raster Conditions	Comments
9/9/2024	9/20/2024	200	150	10:1	Thank you for your continued support of IP.
9/20/2024	9/21/2024	117	50	5.5 mm	Tentative

BLIP Operation

- BLIP Tasks.
 - The Be and water windows – working towards replacing during this current maintenance cycle.
 - Roof leaks: repair completed on the Control Room section. Water diverter still remains in the Control Room until we see that the repair was successful. Still waiting for more materials for the section over the garage area, (but there is no leak in the garage area).
 - The irradiation season is extended: Th irradiation 9/09 -9/20 and possible one more short research irradiation after that.
 - La target transfer 9/09 to the RRPL
 - Cooling system upgrade work on hold due to extended irradiation season until end of beam. No decisions have been made beyond the 9/20 irradiation and more discussions will need to be had with C-AD and maintenance to understand impacts.

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. C-AD RSC/AESRC approved 8/28. Awaiting LESHG review meeting (9/13) and pending recommendation for approval, then will send to DOE-BHSO.
 - 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 – estimated end of CY24 installation.
 - WO submitted to AC group for high humidity alarm in vault/reheat coils in air handler unit in mechanical room.
 - WO submitted for checking/ adding glycol levels for the water-cooling system in Mechanical room/rooftop chiller.
 - Performed preventative maintenance on both vacuum pumps in the vault room.
 - Work planning for the replacement of compressed air regulator manifold inside HV cabinet.
 - 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 precision target loading and unloading with target holder.