

MIRP Operations 5-7/2016

- **General**

- Tour at BLIP May 23rd, Cherry Murray, Director Office of Science
- Tour at BLIP and TPL today for assessment of Ac-225 for SAD
- Annual Review for Ac-225 Project July 27th and 28th
- Raster project closeout review August 22.

- **Production**

- 6th set of RbCl targets pulled out April 27th @ 1125
 - Completed processing last week, packaging this Friday
- 7th set of RbCl targets to run from April 27th – May 18th
 - Processing starts May 26th
 - Received Sr-82 from Arronax in France
- Proceeding with fabrication of new Ga targets for Ge-68 production

BLIP Target Data– 5/2016

- **7th Set of RbCl Targets (BWK and BWL)**
- Total Accumulated uA/hr as of 5/16/16 @ 23:59 – 70,241.70
- Total Hours – 449.65
- Average Current – 156.21 uA/hr
- SOB- 4/27/16 @ 1125.... EOB- 5/18/16 0900

TPL Operations– 5/2016

○ TPL Maintenance

- Finishing work on ventilation – waiting on final calibration
- Vendor to repair D-tank sensors
- Investigating installation of shatterproof bulbs in TPL to prevent pest accumulation on lenses

○ BLIP Maintenance

- Maintenance day May 17th
- F&O performed PM on BLIP chiller

Research Irradiations May-July 2016

- **Research**

- Welded Thorium target July 5-7 at 200 MeV.
- Mo-graphite targets for LHC will be run behind the thorium targets and possibly 3 additional weeks at 160 MeV
- Thorium foil run for research, 0.5 hr run, immediately before normal thorium run
- Thick Thorium target test run, cook and look at highest wattage
- Sc target run behind the thorium target in the C slot for duration of thorium run.

Research- 5-7/2016

- **Research**

- **May 20th**; cross section study of Se-72 and Ge-68 production of GaAs targets, stacked targets, a single irradiation at incident LINAC 117 MeV, energy on target will be tailored using beam degraders, for 2 hr 40 uA unrastered beam.
- **June 8th**; GaAs target run as beam degrader for RbCl targets to assess Se-72 production at LINAC energy of 117 MeV energy on target will be tailored using beam degraders.
- **Mid-July**; As target run as beam degrader for RbCl targets to assess Se-72 production at LINAC energy of 117 MeV energy on target will be tailored using beam degraders.
- **June-July**; 2 Zinc foils, dedicated run at incident 117 MeV energy on target will be tailored to 108 and 45 MeV using beam degraders.

Research- 5-7/2016

- **Research**

- **Mid June-July 31**; W and Os targets, multiple irradiations (**5-8**) at incident LINAC 66 MeV, energy on target will be tailored using beam degraders, for 0.5-1 hr 40-TBD uA unrastered beam.
- **July**; Large Zinc target, incident 140 MeV

- **Total projected (Mid-May thru July):**

- Foils: 2
- Bolted Aluminum: 11
- Parasitic w/RbCl/Thorium: 4