

MIRP Operations –5-7/2016

- **Safety**

- Tour at BLIP May 23rd, Cherry Murray
- Tour at BLIP and TPL May 17 for assessment of Ac-225 for SAD
- Annual Review for Ac-225 July 27th and 28th

- **Production**

- 6th set of RbCl targets pulled out April 27th @ 1125
 - Shipping Sr-82 today
 - QC on stability sample next week
- 7th set of RbCl targets ran from April 27th – May 18th
 - Processing starts May 26th
 - Unpackage and sample Sr-82 from Arronax on Wednesday
- Proceeding with fabrication of new Ga targets for Ge-68 production

BLIP Target Data– 5/2016

- **8th Set of RbCl Targets (BVY and BVZ)**
- Total Accumulated $\mu\text{A/hr}$ as of 5/23/16 @ 23:59 – 20,492.99
- Total Hours – 126.12
- Average Current – 162.49 $\mu\text{A/hr}$
- SOB- 5/18/16 @ 0936.... EOB- 6/1/16 0900

TPL Operations– 5/2016

○ TPL Maintenance

- Finishing work on ventilation panel – waiting on final calibration
- D-tank sensors calibrated and working now
- Upcoming electrical work at TPL: install LED lights above hot cells, clean lenses to remove bugs

○ BLIP Maintenance

- Maintenance day Tuesday May 31st

Research- 5-7/2016

- **Research**

- Normal Thorium target July 5th timeframe.
- Nick Simos Mo-graphite targets 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
- Large Thorium target test run, cook and look at 160 MeV, 130 μ A current
- Sc target run behind the thorium target in the C slot for duration of thorium and Simos irradiation.

Research- 5-7/2016

- **Research**

- **June 1st**; cross section study of Se-72 and Ge-68 production of GaAs targets, single target, 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