

MIRP Operations –5-7/2016

- **Safety**
 - Annual Review for Ac-225 July 27th and 28th
 - IEAE inspectors to visit BLIP Tuesday 6/7 and Wednesday 6/8. 4 groups total, 2 groups a day at BLIP
- **Production**
 - 8th set of RbCl targets were taken out of beam June 6th
 - Processing starts next week
 - Shipping Sr-82 today and this Friday
 - 9th set of RbCl targets placed into beam at 10:30 am this morning.
 - Ga target was taken out of beam on 6/3. No abnormalities were visible on the target.
 - Processing in ~2 weeks at the earliest
 - GaAs research target will be inserted into beam 2 hrs at 40 uA/hr

BLIP Target Data– 5/2016

- **8th Set of RbCl Targets (BVY and BVZ)**
- Total Accumulated $\mu\text{A/hr}$ as of 6/6/16 @ 0837 – 59,805.02
- Total Hours – 433.70
- Average Current – 137.89 $\mu\text{A/hr}$
- SOB- 5/18/16 @ 0936.... EOB- 6/6/16 0837
- **Ga target - BWZ**
- Total Accumulated $\mu\text{A/hr}$ as of 6/3/16 @ 0932 – 19,400.81
- Total Hours – 177.32
- Average Current – 109.41 $\mu\text{A/hr}$
- SOB- 5/26/16 @ 1253.... EOB- 6/3/16 0932

TPL Operations– 5/2016

○ TPL Maintenance

- Finishing work on ventilation panel – waiting on final calibration
- D-tank sensors recalibrated - new parts ordered
- Electrical work at TPL this week: install LED lights above hot cells, clean lenses to remove bugs

○ BLIP Maintenance

- LINAC maintenance yesterday and this morning on the source so they performed other maintenance that they could at the same time
- Next maintenance day June 21st

Research- 5-7/2016

- **Research**

- Normal Thorium target July 1st 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 7th**; 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