

MIRP Operations –5-7/2016

- **Safety**
 - Annual Review for Ac-225 July 27th and 28th
- **Production**
 - QC on stability sample this week
 - 8th set of RbCl targets run from May 18th – June 6th
 - Processing started last week
 - Shipping Sr-82 this Friday
 - Ga targets in beam since Thursday the 26th

BLIP Target Data– 5/2016

- **8th Set of RbCl Targets (BVY and BVZ)**
- Total Accumulated $\mu\text{A/hr}$ as of 5/30/16 @ 23:59 – 41,333.53
- Total Hours – 288.53
- Average Current – 143.26 $\mu\text{A/hr}$
- SOB- 5/18/16 @ 0936.... EOB- 6/6/16 0900
- **Ga target - BWZ**
- Total Accumulated $\mu\text{A/hr}$ as of 5/30/16 @ 23:59 – 11,063.40
- Total Hours – 101.86
- Average Current – 108.62 $\mu\text{A/hr}$
- SOB- 5/26/16 @ 1253.... EOB- 6/6/16 0900

TPL Operations– 5/2016

○ TPL Maintenance

- Finishing work on ventilation panel – waiting on final calibration
- D-tank sensors need repairs by vendor- new parts ordered
- Upcoming electrical work at TPL: install LED lights above hot cells, clean lenses to remove bugs

○ BLIP Maintenance

- Maintenance day Tuesday May 31st
- Next maintenance day June 17th
- Water sensor in shaft has been alarming plan to address on the May 17th maintenance day.

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

Gallium Target

Front window



Back window



RbCl back window back target

