ISOLDE FOM Report week 46

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BE-OP-ISO

Main Events

HRS

Tuesday 8th November

- Experiment IS702 finished in the morning
- EPC came to investigate an **issue** with our **two HRS separators magnets**. It turns out there was a **faulty** communication **cable**.
  After being replaced, we had no issue with either of them. Many thanks to **N. Davide and J.P Lopez** for their work.
- We had an issue with the HRS front end, losing vacuum and power for the heating of both target and line.
  After much investigation it appears to be an issue with the placing of the target on the front end.
  It was resolved by **C. Mitifiot**, many thanks to him

Thursday 10th

Yield checks

Sunday the 13th

ISOLTRAP took beam to their experiment

Monday the 14th

New target in place #654

GPS

Tuesday 8th November

- Concluded the low energy set up, using **39K**
- Followed by yield measurements and a proton scan

Wednesday 9th

- Taking **131Sb** (Sb stands for Antimony!...) through REX-HIE and delivered to users, **131Sb31+**.
- Users took beam until **Saturday** the 12th.

Sunday the 13th

- Collection on GLM for IS673

Monday the 14th

- yield checks

Main Events

➢REX-HIE

- **Tuesday 8th** November
  Experiment IS702 finished in the morning
  In preparation for the experiment IS697(**131Sb31+)** an energy measurement was performed with **129Xe30+**
  Beam was set up until the last FC before the experimental station. Slow extraction was used.
  Delivered stable beam(**22Ne6+**) to Miniball over night.
- **Wednesday 9th**
  Delivered radioactive beam (**131Sb31+**) to Miniball.
- **Thursday 10th**
  Users required assistance in optimizing beam position on their set up, through a collimator inside their chamber
- **Saturday 12th**
  Experiment decided to stop due to difficulties on their side.
- **Monday 14th**
  Had issues with two SRF that kept tripping (see image below). **D. Valuch** tried to help while on the airport and even came to ISOLDE once he landed. Many thanks to him.
- **Tuesday 15th**
  Since we need to deliver beam today and do not have time for the expert to solve the issue. We will we need to re phase 3 of the following cavities, in order to recover the power needed, to achieve the required final energy of 6MeV/u.

HIE-LINAC, cavities 2, 3 of 3rd cryomodule (XLH2)