

ISOLDE Physics Group Meeting 28/04/2018

Personnel

Welcome to Tassos Kanellakopoulos (KU Leuven) who is staying at ISOLDE for an extended as a PhD student under the supervision of Gerda Neyens. He will work on CRIS and VITO.

Technical news

- **GPS**
 - Main power supply tripping on separator.
 - Leak in GPS20 sectors, maybe due to FC replacement.
 - Intervention next week to tighten a bellows.
 - Checkout progressing → GLM/GHM completed.
 - Software still not fixed but improving.
 - Wire grid/slits controls were swapped → Now fixed.

- **HRS**
 - Beam looks ok so far.
 - Tests with RFQ in bunching mode on-going (continuing over Easter).
 - HV divider for ISCOOL needs to be installed before laser runs.
 - SEM grid tests: focusing too wide, now improved.
 - To be moved to HRS before Easter for tests in place.

- **Safety**
 - Beam permit signed on Monday 26th March.
 - Protons taken overnight on Monday already.
 - Safety interlock cable + spare cut on PSB side.
 - PS “de-cabling” campaign to blame, fix being implemented.
 - Meeting of Swiss authorities for actinide handling.

- **REX/HIE**
 - Same tripping of REX separator as on GPS.
 - No cathode problems as yet.
 - HIE-ISOLDE beam permit has been signed.
 - He gas in lines ready for cooling of cryomodules.
 - Hoping to be fully cooled over Easter.

- **RILIS**
 - 2-photon spectroscopy tests on-going.
 - Silicon so far inconclusive, 2nd campaign required later in year.
 - Rubidium results promising, narrowband laser working.
 - Spare laser has been on extended loan from company.
 - Two new pump lasers will be purchased.

- **Targets**
 - #640 for Indium @ CRIS is ready.

- #650 backup for boron recuperated from storage.
- #627 Ta for Sc run, being built now and has to be welded still
- #651 ZrO target for Ti run being prepared.
- Multiple targets brought from storage rings to shelves.
- Test target changes at GPS next week.
- HV tests with protons on neutron converter before stable beam to CRIS.

MEDICIS

- Draft schedule being prepared.
- Controls and procedures being finalised.

Visits

- Guides needed for 10th April for group of Norwegian students.
- Visit summary of each setup should be sent to Hanne for guides.

Lectures

- Andrei Andreyev lectures on nuclear fission will start next week:
 - 4th April @ 14:30pm in 26/1-022
 - 5th April @ 16:00pm in 26/1-022
 - 6th April @ 16:00pm in 26/1-022

Schedule

- Weekly schedule to go out on Friday and then each Friday afterwards.
- Next draft of summer schedule (July onwards) due next month.

Summer Students

- Send all info about your selected summer student to Lina!

A seminar by Kieran Flanagan followed the meeting, titled "From CRIS to Artemis: spinning out Laser spectroscopy" – <https://indico.cern.ch/event/717815>

Minutes taken by LPG