

# Minutes of the ISOLDE Physics Group Meeting, June 6<sup>th</sup> 2018

## Technical news

- **HRS**
  - CRIS K<sup>+</sup> experiment went on until Sunday June 3<sup>rd</sup>
  - Currently, COLLAPS scandium run is ongoing
  - HRS90 has been tripping a few times during the CRIS run. When this happened and beam is lost: check this and restart.
  - Communication with HT was lost due to a problem in mid-level software. This will be followed up.
  - During the CRIS run, several target/line heating trips were also observed
- **GPS**
  - From Sunday, IDS ran until this morning for fast-timing measurements on neutron-rich indium isotopes with protons on the converter and lasers in narrowband mode.
- **REX/HIE-ISOLDE**
  - Beam commissioning planned this week at 2.2 Mev/u.
  - Beam to miniball this weekend
- **RILIS**
  - Various lasers have gone into and came back from repair this weekend
- **Targets**
  - New batches of UCx needed for this year have arrived.
  - #626 (Ta-W) is online for scandium run of COLLAPS
  - #660 SiC List (version1) will be installed for <sup>22</sup>Mg next week
  - #661 VD5 target for RFQ tests will be installed at HRS next week

## Physics

- Agi Koszorus has given an update on the CRIS results obtained
  - First time CRIS has used beta-tagging for laser spectroscopy. This was needed in order to remove the sensitivity to stable beam contamination.
  - Could measure up to <sup>52</sup>K. Successful run
- IDS has performed fast-timing experiments on <sup>132</sup>Sn and its neighbours.
- COLLAPS will perform laser spectroscopy on ionic Sc with the goal of reaching <sup>50</sup>Sc and test nuclear models.

## Safety

- Emails sent regarding "Electric safety training expired" were sent out wrongly. Don't act upon them if you receive their request to retake the training.

## Visits

- None planned this week
- Next week: Visit of Swedish students (guides have been appointed)
- In two weeks: Visit of Swedes part 2 – mail will be sent around asking for guides

## AOB

- Liam has organized World-Cup 2018 Sweepstakes. Contact him if you want to join
- The microwave in the ISOLDE visitor's room has disappeared. (Stolen?). Does anyone know where it went?
- New fridge will be installed in the b508 kitchen dedicated for running experiments.
- The leak detector is in for repair (again!). Simon is asking for quotes to buy a new one.
- Pumping station of ISOLDE is broken. If needed, ask Liam who can provide you with the necessary parts to build a temporary one.

## Seminar

- The PGM was followed by a seminar of Leonid Nemenov (JINR) with the title: "Experimental checks of precise QCD predictions by studying  $\pi^+K^-$ ,  $K^+\pi^-$  and  $\pi^+\pi^-$  atoms"

The next PG meeting will take place on Wednesday, June 13<sup>th</sup> at 14:00 in the b508 ISOLDE meeting room.

Minutes taken by SMS