

# Minutes of the ISOLDE Physics Group Meeting, April 25<sup>th</sup> 2018

## Technical news

- **GPS**
  - Physics run on <sup>8</sup>B went smoothly
  - Turbopump and full-range gauge at LA1 will need to be replaced.
  - LA1 experiment was using GRAFANA to track the status of their experiment. This crashed because they were routing traffic through Denmark. Be aware this might happen and ask local experts to avoid this.
- **HRS**
  - HRS slits have been recalibrated but an intervention will have to be scheduled
  - 50 kV could not be achieved without the power supply tripping. ISOLTRAP will use 40 kV instead
  - Access to ISOLDE was lost for everyone for a short while. The database issue was solved quickly
  - FC at the RFQ was replaced, but the wrong vacuum section was vented during change. Target and frontend were vented, although no issues following this have been found.
- **REX/HIE-ISOLDE**
  - Cryomodules cooled down to LHe temperatures
  - During LS2, cryo4 will have to be replaced. At collimator will be placed in to cut the amount of radioactive buildup in the module
  - The setup for mass markers has been upgraded
- **Targets**
  - #534 has been installed on GPS
  - #651 for Ge run of COLLAPS is ready

## Physics

- <sup>8</sup>B went smoothly and had better yields than expected. At the end of the run a yield check was performed on <sup>12</sup>B which was indeed seen.
- This week: ISOLTRAP will run on scandium.
- GLM will accept 1pp for a long-time run to perform PAC measurements on a wide range of materials.

## Safety

- First smoke-safety tests of MEDICIS went well. The room was pumped full of smoke and was evacuated as expected
- MEDICIS dry run for collections went well.
- A temperature problem with the water coming into ISOLDE was observed. Over the course of 5h, an increase of 2 degrees C was measured. Not yet clear what the problem is.

## **Visits**

- Next week Friday: 1 visit scheduled (Guides have been appointed)
- None planned in the week thereafter.
- In 3 weeks, visits of KUL students and High-Luminosity LHC group will visit ISOLDE.

## **AOB**

- Swedish students will be joining during 2 weeks in June. They will get a dosimeter for supervised areas, but not for controlled areas. Same issue for students visiting during 2 weeks of July.
- Martin Venhart would like to send a young student to visit ISOLDE for a few weeks as well.
- Researcher's night is scheduled for Sept 28<sup>th</sup>. ISOLDE would like to enlarge their stand with respect to last year.

## **Seminar**

- The PGM was followed by a seminar given by Magdalena Kowalska with the title: "Beta-NMR: from nuclear physics to biology".

The next PG meeting will take place on Wednesday May 2<sup>nd</sup> at 14:00 in the ISOLDE visitors' room (26-1-022).

Minutes taken by SMS