

Minutes of the ISOLDE Physics Group Meeting, May 16th 2018

Technical news

- **HRS/GPS/RFQ**
 - Sc to Collaps from Thursday till Tuesday.
 - .LIST unit installed, but currently acting up

- **REX/HIE-ISOLDE**
 - Beam to miniball over the weekend at 6.2 MeV/u.
 - This morning: beam to ISS and is going surprisingly well.
 - At ISS exact efficiency measurement not able to be measured, as the FC suppressor does not work in the field of ISS.
 - SC Cavity (second one now) is acting up

- **MEDICIS**
 - 149Tb collections done and sent to UK
 - New collections scheduled, hoping for ± 100 MBq.

- **RILIS**
 - Sc was stable run
 - Fast change to Mg, hunting for Auto-ionizing states (none found)
 - LIST setup
 - TiSa power was dropping and might have to be replaced.

- **Targets**
 - Target #626 used for Sc beam production.
 - #660 SiC LIST setup at GPS (want 22Mg, with large suppression of 22Na).
 - RF does not seem to be working correctly
 - Target dismantled and sent to offline check (no problem found)
 - Put back online the morning
 - #661 on HRS now for next week for ISCOOL developments
 - Target for Bi run being calibrated at off-line setup at the moment.

Physics

- Collaps Sc (Z=21) run:
 - Goal 43-50Sc, measuring charge radii/moments across N=28.
 - All but 50 Sc went smoothly. Only 2 out of 3 peaks of 50Sc were observed.
 - Overall run was succesfull

- Setup for 22Mg currently ongoing at LA1 (LIST target setup)
 - Branching ratio of 22Mg in permille region
 - Super-allowed 0⁺-0⁺ decay for fundamental physics
 - Tape system setup with plastic+Ge detector for beta-gamma coincident detection

Safety

- Training fully booked. Hands-on training for new students will happen this afternoon.
- Problem of wrongly sending

Visits

- 2 people needed for next week Thursday afternoon 2pm (21st).

AOB

- Visit for improvement of WiFi at 508 will happen tomorrow.
- Leak detector in repair. Replacement for 1 week available.

Seminar

- The PGM was followed by a seminar of Riizwan Ahmed with the title: "Challenges in the field of laser-induced breakdown spectroscopy".

The next PG meeting will take place on Wednesday, June 20th, at 14:00 in the bldg. 508 meeting room.

Minutes taken by SMS