

ISOLDE Physics Group Meeting 08/08/2018

Technical news

- **GPS**
 - Many Rn isotopes, 222,224,226Rn.
 - Line failed on Sunday evening, prevented lower energy run on 224Rn.
 - Tape station broke due to failed motor.
 - Repaired on Monday, but some issues remain with detectors.
 - New tape station tested briefly last week and beam on tape.
 - Scheduled for after Sn run for more tests.

- **HRS**
 - Changed to GPS on Tuesday 31st July following Ra and Ba runs to Miniball.

- **REX/HIE**
 - Cavity 6 problem induced by power cut, issue with cryo plant.
 - Rephased in world record time to shoot through this cavity.
 - Beam came back to users with new setup.
 - Electron gun on EBIS is in unhealthy state; power cut didn't help.
 - Usually takes two weeks to change with recommended steps.
 - Exchange scheduled during 8 days of CRIS experiment (after B on XT03).
 - Some trips on first cryomodule, but almost none with REX.
 - Stripping foils installed for XT03 run later.
 - Many thanks from the users for the commitment of the operations team for the delivery of so many beams in such a short time.

- **RILIS**
 - 106Sn setup for Miniball has been ongoing.
 - Problem with setting up due to MEDICIS irradiation...
 - Proton beam still hitting HRS target giving background
 - Focusing of PSB beam is not good, on both waist and normal focus settings.
 - Reoptimisation yesterday by Shane gave good yields.
 - Low personnel level this week (i.e. just Shane), so be kind to him.
 - *The photonics laser has been returned since its repair but the key to operate it has been forgotten. This will apparently require two more weeks.*

- **Targets**
 - LIEBE target on the offline separator.
 - The Pb-Bi source leaked all over the frontend, which had to be cleaned.
 - The cleaning was a big job with major hazards...

- **Safety**
 - RP visited Miniball and had alpha contamination but levels are very low.

- No flip-flops in the hall during the summer period!
- Helmets (the white ones) are to be controlled periodically. One example failed the control and was thrown in the bin because a name was written in permanent marker!

- **MEDICIS**
 - Irradiations and collections for Tb this week.
 - Will be transparent to the Miniball run.
 - First collection for machine development and later for shipment.

- **Visits**
 - One visit next week (Thursday 16th August; 09:00 – 11:30) for the international teachers programme... Two guides needed.
 - More visits in September

- **A.O.B.**
 - Researcher's Night scheduled (Friday 28th September: 4pm – 11pm).
 - Coincides with the opening of the Esplanade de Particule.
 - Volunteers welcome, both French and English speakers.

A seminar by [] from [] followed the meeting, titled "" – <https://indico.cern.ch/event/>

Next week's meeting will be held in B. 508, at 1400.

Minutes taken by LPG