

ISOLDE Physics Group Meeting 31/05/2017

Technical news

- **GPS**
 - GPS setup for 94Rb went very well. However, problems with radiation alarms at CA0 switchyard on Wednesday night.
 - Proton current limited to $<0.10 \mu\text{A}$, added more shielding.
 - Tried to improve tuning on Thursday, but tiny losses still giving alarms.
 - RP involved to test running at $2.0 \mu\text{A}$, but dose was too high for VITO who were setting up nearby.
 - Proposal to close off hall “not supported” on Friday so weekend ran at low intensity the whole time.
 - Alberto “improved” the tune to allow $0.70 \mu\text{A}$ and give a factor of 5 at Miniball.
- **HRS**
 - Target change on Monday morning.
 - Stable beam delivered to VITO for tuning during technical stop on Tuesday night.
- **RILIS**
 - Scheme development for Nd ongoing, to be tested if solid-state lasers can be used instead of dye lasers.
 - Similarly done for Sm last month, this means less maintenance and more stability in the power.
- **REX/HIE**
 - Pulse length was stretched to 1.6 ms, from 1.0 ms, for the 94Rb run.
 - Higher power demands could lead to more trips of RF.
 - Actually, REX and HIE both running with remarkable stability.
 - Pulse length will remain at 1.6 ms for upcoming runs.
- **Targets**
 - #609 TaGdB6 target has been on the offline and is ready for Nd to Miniball.
 - #599 Ti rolls target reused from Mg run and is now online for Na to VITO.
 - #615 Ta foils target is finished and now cooling at the offline.
 - #618 UCx target finished too. Sebastian improved the preparation procedure so that only 4 days are required for the carbonisation of the Uranium.
- **Safety**
 - The issue of high intensity and high dose rates in the hall will be followed up in the future to implement a procedure to safely run. It could be a limited stay in radioactive areas or a complete closure of the hall.
 - Discussions are on going with everyone involved and will be presented at the PS-CSAP in the near future.

- In addition, the chain of command needs to be improved since the large number of people required to sign off was prohibitive to the physics.
- Currently 5 departments have equivalence in safety issues within the hall.
- Audit of building 170 by CERN's RP with a consultant to be performed in coming months.

A.O.B.

- **Researchers night**
 - Karl once again reminds people to volunteer for the ISOLDE stand at European Researchers Night, 29th September from 1700-2300. He has sent an email!
- **Seminars**
 - Peter Möller will give a series of seminars on 2nd and 3rd October with discussions afterwards. Place and time to be confirmed.
- **Schedule**
 - Schedule until the end of the year due out next week. Probably there'll be two versions depending on LIEBE tests on GPS.

Minutes taken by LPG