

Minutes of the ISOLDE Physics Group Meeting, March 21st 2018

There were no comments to the minutes of the last ISOLDE PGM

Technical news

- **HRS/GPS/RFQ/REX/HIE-ISOLDE**
 - Cold checkout is still progressing
 - FC490 has been replaced and is now working well.
 - Software applications are currently not on user-level yet, as bugs are still prevalent. Elefterios is working on this.
 - GPS magnet tripping issue: Intervention (March 20) seems to have solved the problem.
 - Wire-grids on GPS and HRS are not up to date yet.
 - A schedule was agreed upon for the sharing of machine tests and RFQ-cooler buncher test program.
 - Interlocks for PLCs are causing a bit of an issue. The binary files that are outputted are difficult to interpret. This has to be made more user-friendly.
 - Low-energy (RF) tests of REX ongoing.
 - Cooldown of 4 Cryomodules scheduled to begin on 26th of March
 - DSO-tests of tunnel taking place this Friday (23rd of March)
- **RILIS**
 - Back in business after re-installation of FC490
 - All beam paths have been checked and are fine. Including the one to ISCOOL.
 - Sm tests were successful.
 - Silicon 2-photon tests are ongoing during the nights.
 - Still missing a pump laser that broke down (see minutes of March 14th).
- **Targets**
 - Target #640 on offline setup for heating tests.
 - Target #650 has been prepared for C nano-tubes (Boron run). Safety issues regarding the use of nano-materials will be determined
 - As soon as SEM-grids are working, targets will be tested at GPS. SEM grid tests on GPS over easter; vacuum testing from 3rd April
 - Targets will come back from the ISR on Friday 23rd of March. Please keep parking free.
 - Helium dewars need to be moved from SAS to other side on request of Safety.
- **MEDICIS**
 - Cold check-out and improvement tests ongoing. Aiming towards first tests at the beginning of May.

Safety

- Yearly inspection performed of Building 275 carried out. Was very good.
- It was requested to keep the delivery-point area in building 508 clean and remove empty packaging.
- The necessity of using of ring dosimeters at ISOLDE is being investigated by RP. Will probably not be necessary for the use of calibration sources or collections.

- A new vacuum cleaner for use in class C areas in building 508 has been delivered. This is not for ordinary use, but only for potentially contaminated materials. Keys can be found in Traka-box in control room.

Physics and Schedule

- Schedule has been sent out. Nothing has changed since.

Visits

- 2 Visits planned this week. None are planned in the week thereafter. Link to the visits website: https://espace.cern.ch/isolde-visits-info/_layouts/15/start.aspx#/

AOB

- Leak detector is failing and maintenance is needed.
 - o Turning on/off when using auto-calibration
 - o Freezes occasionally during calibration

Waiting for RP check before it can be shipped to manufacturer.
A spare device will be requested.

Should we look into buying a new one?

- This device is 10-15 y old
- A new device costs roughly 40k€
- Currently yearly costs of maintenance are roughly 2k€.

Seminar

The PGM was followed by the seminar of Theodoros Vafeiadis, from CERN on "Update on the CAST experiment"

The next PG meeting will take place on Wednesday, March 28th, at 14:00 in the ISOLDE visitors' room (26-1-022).

Minutes taken by SMS