

Minutes of the ISOLDE Physics Group Meeting, March 14th 2018

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

Technical news

- HRS/GPS/RFQ/REX/HIE-ISOLDE

- Has been a reasonably difficult start-up so far, with a bit of delay to the schedule of the cold check-out. Software is not yet up to date with new hardware, making beam diagnostics quite difficult.
- GPS has been without beam for 3 days.
- FC490 has an intervention planned today, so visitors will not be allowed in the ISOLDE hall today.
- Autotune discussion: who has to maintain the program?
Has to be in working condition before the first physics runs will start (CRIS/ADS are known to make use of it for beam tuning).
- In the Elog, different units have been used at the moment for e.g. the magnets (should be Tesla). Will be adjusted.
- HRS line heating has been tripping lately. Specialists came and have replaced a power-supply relay, which seems to have fixed the problem
- The quadrupole tripping on the HRS side has been solved as well.
Radiation-soft cables have been removed. A question was raised if we would have to check the GPS side for similar cables.
- A resistor on the HRS power supply (but not the newly installed one) – HT2 – was replaced.
- The RFQ voltage divider has been removed due to arcing. The box from PTB could be used for several months, but a long-term solution will have to be found.
- The RFQ was tested in continuous mode and works.
Diagnostics however were insufficient (see first point of this section).

- RILIS

- Slightly behind on schedule.
- Laser-ionized beam in GPS last night.
- Sm tests seem to be ok, but the efficiency measurement remains to be done
- The next weeks will have to show whether there will be time for the two-photon measurements.
- 1 pump laser has broken down. A replacement should arrive from the manufacturer at the end of the month. Without this, simultaneous on-line experiment and setup for a next one will not be possible.

- Targets

- Target #513 (old) for Boron run will come back from ISR for vacuum tests and will be tested
 - If good: Boron run can continue
 - If not: plan B on replacement run will be discussed
- Because of delays mentioned so far, the SEM grid-tests have been altered: starting on 26th of March to 3rd or 4th of April.
- Fences have been installed in the HIE-Isolde tunnel.

- Update on the beam-gates: Will stay the same as last year and the proposed replacement of the logics and switched will not happen this year.

Safety

- Inspection performed of Building 26. Inflammable material in the basement will have to be removed

Visits

- Same as last week: A large number of visits are coming for April (8 in total). Volunteers are kindly asked to contact Hanne Heylen.

AOB

- Andrei Andreyev will give a series of 3 lectures on Fission.
The proposed dates for these lectures are 4th, 5th and 6th of April
- EMIS conference: Everyone (also locals) who want to join the conference will have to subscribe on the indico page and pay the registration fee.
Regarding payments:
 - Students related to other institutes than CERN will have to contact their home institute for approval and payment
 - CERN-funded Fellows and PhD students will have to contact Gerda who will arrange the payments all together at once
 - CERN-funded ERC-fellows and PhD students will have to get approval from their supervisor, who pays from the ERC grant.

Seminar

- The PGM was followed by the seminar of Frank Wienholtz from CERN on "Multi-reflection Time-of-Flight mass spectrometry."

The next PG meeting will take place on Wednesday, March 21th, at 14:00 in the ISOLDE visitors' room (26-1-022).

Minutes taken by SMS