

ISOLDE Physics Group Meeting minutes

Location: The meeting was held remotely via ZOOM

Date: 11th March 2021

Time: 16:30-16:45

TECHNICAL NEWS

1. Technical news :

- Description: Work is continuing on FE11 (HRS). The compressed air lines are being debugged. The inspection of the BTY line magnets revealed that they are not affected by the issue spotted on the BOOSTER magnets. The magnets will still follow a gradual consolidation in the coming years.

2. MEDICIS:

- Description Not much to say. New proposals are in preparation for this year.

3. ISOLDE HALL :

- Description: RILIS Sm tests were performed last week. At first the target unit was not behaving as expected. It was decoupled from the beam line for investigations, but all seemed to be fine. It was connected back and this time around all is working well. Coupling tests will be made to confirm that this is working correctly.

4. TAPESTATION :

- Description: Timing tests are ongoing. It is turning to be quite tedious to overwrite the safety chain in order to perform the tests.

5. ISCOOL:

- Description: Test of the new gas delivery system are ongoing offline. The question is now to integrate the controls withing the ISOLDE applications.

6. HIE ISOLDE:

- Description: The local ion source has finished its maintenance this week. EBIS beam was taken to REX this week. The HIE ISOLDE cryoplant has been restarted. The machine will start being cooled down on March 18th.

VISITS

1. Group visits are cancelled for the time being due to covid restrictions.

ANY OTHER BUSINESS

1. Recommendations and information related to the new-coronavirus outbreak at CERN can be found on this page : <https://hse.cern/news-article/coronavirus-information-and-recommendations>.
2. The intervention on the ISOLTRAP hoist is planned for the coming week. Also this week, consolidation work on the ISOLTRAP power lines is being performed.
3. The obsolete 3-phase outlets present in the ISOLDE hall will be replaced.
4. Winter physics might be compromised this year due to the early LHC restart in 2022.
5. The dosimeter readout device is being serviced by the Dosimetry service and is currently missing from the hall.
6. The crane issues spotted by ISOLTRAP around IDS was also spotted by other users. An intervention to see what the problem is planned.
7. The safety inspection in building 275 did not go well. This is not surprising providing all the mess which is stored in there. The various groups will be contacted to help addressing the situation.
8. The summer students pool is now open for selection. Please contact Magda for more information.

SEMINAR

1. This week's seminar entitled "Cold, trapped radium-based molecular ions for probing new physics" was given by Mingyu Fan (Department of Physics, University of California, Santa Barbara). Here is the link to the recorded seminar : <https://cernbox.cern.ch/index.php/s/58xl21lrr7m0Vnn>