

ISOLDE Physics Group Meeting minutes

Location: Room 26/1-022
Date: 23rd October 2019
Time: 14:00-15:00

TECHNICAL NEWS

1. Maintenance of ISOLDE vacuum

- Description The test and maintenance of the ISOLDE turbo pumps is still ongoing at ISOLDE. The work is performed by Russian team which comes on an irregular basis. This should be completed in one month. Work will be continued in the target area in 2020.

2. Upgrade VISTAR system in Old ISOLDE Control Room (OICR)

- Description: The old VISTAR system in the old ISOLDE control room will be replaced. Normal monitors will be installed in place of the old TV screens. It is proposed to have one screen close to the rack allowing a manual control of the beam gate. The two other screens will be kept and location carefully chosen to ensure the best possible visibility.

3. Installation of recirculating chiller at MIRACLS

- Description: A portable version of the standard ISOLDE negative ion source will be installed at the MIRACLS setup. This source requires water cooling. To this end, a recirculating water chiller will be installed in the ISOLDE 508 workshop with connections through the roofs.

4. New ISOLDE frontends

- Description: Frontend 11 mechanical assembly has now started while Frontend 10 is getting ready for testing. Discussions are ongoing to decide whether GPS or HRS is the best place to test the Frontend after its installation in the target area early 2020.
- Action: Feedback from the ISOLDE community is welcomed.

5. 3D CAD drawings of the ISOLDE hall

- Description: Erwin has somebody in mind who can update and merge all existing drawings of the ISOLDE hall.
- Action: A high-resolution 3D rendering of the hall would be desirable to unify the description of the facility in presentations.

SAFETY

1. Issue with the personal dosimeter readout device in the ISOLDE hall
 - Description: The personal dosimeter readout device, located near the stairs in building 170, is too often showing an “E8 overflow” error when one tries to read a dosimeter.
 - Task: Ask the service desk to investigate this problem.
 - Update on task: A technician will pass in building 170 to investigate this issue.
 - Owner: Maxime Mougeot
2. Traka box in the 508 ISOLDE control room
 - Description: The organization of the keys inside the 508 Traka box is completely messed up.
 - Task: Contact service desk.
 - Owner: Tassos Kanellakopoulos

VISITS

1. There are no particular issues with visits for this week.
2. ISOLDE guide training
 - Description: A training for ISOLDE guides will take place on Friday 25th of October 2019 from 14:00 to 16:30 in b. 508. Both new and experienced ISOLDE guides are encouraged to join this training session.

ANY OTHER BUSINESS

1. The physics group meeting is cancelled next week.
2. There will be no group meeting on November 6th because the open session of the INTC meeting will take place that day.
3. Joachim Vollaire advertises by email a presentation from M. Ballan (INFN-LNL) entitled “Offline experience on Target and Ion source at SPES”. The presentation will take place on Tuesday 29th of October from 15:00 to 16 :00 in 304/1-001.
4. Magdalena Kowalska advertises the visit of an atomic theorist at ISOLDE from Tuesday 29th of October to Thursday 31st of October 2019. She proposes that anybody who is interested joins a for a discussion session on Tuesday 29th of October at 10:00 (room to be defined).
5. Maxime Mougeot introduces Lukas Nies. Lukas is a new Gentner PhD student who will work with the ISOLTRAP team.

This week’s seminar entitled “Rational Design of G-Quadruplex Topologies: How to play with DNA” is given by Beatrice Karg (postdoc working with the Vito team).