



Minutes, CLEAR Politburo

20th April 2021

Members: E. Adli, R. Corsini (President), S. Curt, S. Doebert, D. Gamba, W. Farabolini, L.A. Dyks (Secretary), L. Garolfi, A. Gilardi, G. Mcmonagle, K. N. Sjobaek, P. Korysko,

Absent: E. Adli, S. Curt, L. Garolfi, S Doebert, D. Gamba, K.N. Sjobaek

Agenda

1. Experimental planning
2. Status and Planning
3. Any other business

1 Experimental planning

- There are at least 12 requests that have been received formally with beam time request forms although, only 8 exist in the EDMS list. In order to correct this the other four were identified and will be added by Roberto this week.
- Several other proposed experiments haven't yet sent formal beam requests and will have to be followed up by members of the politburo. Of these, we have interest from a group working on a NA62 scintillator, the request from Grenoble, and the satellite request as well as several others. Strathclyde are also looking for funding to continue their experimental work and are likely to submit a new beam time request soon. These groups should be followed up to allow medium term beam time planning. Antonio will follow up with BI and the LHCb experiment. Pierre will follow up the NA62 experiment. Kyrre will contact the chromox experiment. Luke and Wilfrid will contact the others. A list of contacts will be sent out.
- Discussion was had about the mask irradiation experiment. It looks as it form part of a long term study to understand the limitations of sterilisation by electron beams. Davide will be asked about this and a formal request will come soon.
- The BI experiments should be able to be added to the schedule soon
- Work on the wakefield monitor studies will be scheduled for later on in the year.

- Work on the plasma lens will require international travel and will, therefore, only be possible later on in the year.
- The micro BPM tests should be able to be scheduled on a week-by-week basis.
- CHUV will need beam improvements and qualification, but we also need some specs from their perspective. Virtual meeting will be held in the next few weeks. Schedule some initial tests. Roberto will follow up.

2 Status and Planning

- The restart of the beam has been a success with good transport and good stability. The new weekly review form has been successful.
- Feedback from the review will likely arrive in the middle of may. The investigation of ways of collecting operational statistics in a more systematic way will be done following feedback from the review.
- Analysis of the data from the CLIC and plasma lens alignment scans has been done and discussed.
- The new patch panel has been installed.
- One filter wheel has been installed, the second one still needs to be done.
- The problem with the digital camera on the THz stand seems to be a more difficult issue than first thought. BI will investigate with a new staff member. Move to long term actions.
- Roberto has yet to meet with Edu to discuss future work needed for the laser and to discuss the feasibility of higher than 10 Hz operation.
- One plasma lens gas valve has been installed and the other is ready for installation.
- The EDMS approval procedure will be done after the review results are in.
- The development of the sample manipulator is ongoing.
- The cost of changing the lock system to the barrack still need to be looked at.
- The pressure valve on MKS31 still needs to be fixed.
- The software for the comparitor has been finished.
- The ordering for the YAG screen and the WFM cables are still ongoing.

3 Any other business

- With the 5 year plan approved we should look into buying new chairs and furniture for the control room. The costs of which should be looked at. Luke and Antonio and Pierre will create a list and present in the next politburo.
- A coffee machine will be found and bought if people are able to contribute to the cost.

Actions

- **Roberto:** Add missing experimental requests to the EDMS.
- **Antonio + Luke + Pierre + Wilfrid:** Contact potential users to enquire of their status.
- **All:** Follow up any suggestions from the CLEAR review.
- **Davide:** Provide information on the mask irradiation.
- **Roberto:** Organise a meeting with CHUV to discuss their beam plans.
- **All:** Investigate ways of collecting operational statistics in a more systematic way.
- **All:** Investigate ways of logging beamtime data.
- **Wilfrid + Antonio + Pierre + Luke:** Continue installation of the new filter wheels.
- **Roberto:** Meet with Edu to discuss future work needed for the laser and to discuss the feasibility of higher than 10 Hz operation.
- **Kyrre + Wilfrid + Antonio:** Provide an update on the plasma lens gas valves.
- **Davide:** Continue to develop an official approval procedure for beam time through EDMS.
- **Antonio + Pierre + Wilfrid:** Continue development of the sample manipulator ready for operation.
- **Wilfrid:** Investigate the possibility of help from the vacuum group on vacuum issues.
- **Gerry:** Investigate the costs of changing the lock system to the barrack.
- **Wilfrid + Antonio:** Solve problems with MKS31.
- **Luke + Antonio:** Provide details of new furniture and equipment for the control room.
- **Antonio:** Continue looking to order a new coffee machine.
- **All:** Relay any new information regarding beam time requests.

Long-Term Actions

- **Wilfrid + Antonio:** Provide an update on the order process of the replacement YAG screen.
- **Antonio:** Get quotes for the costs of the cables needed for the wakefield monitors.
- **Wilfrid + Antonio + Pierre + Luke:** Investigate the problem with the digital camera on the THz stand.
- **All:** Decide the future use of the XBOX klystron between either CLEAR or CTF2.

Next Meeting: Tuesday 4th .