

## Minutes of the Meeting of the ILIMA Collaboration Board at GSI on Tuesday, March 4, 2014

Present: Thomas Faestermann, Hans Geissel, Christophor Kozhuharov (minutes), Yuri Litvinov, Wolfgang Plaß, Phil Walker (chair), Helmut Weick, Takayuki Yamaguchi

On invitation: Iris Dillmann, Christoph Scheidenberger

Apologies: Klaus Blaum, Giorgos Lalazisis, Xinwen Ma, Markus Steck,

Proxies: (initially) Zygmunt Patyk ==> Hans Geissel, Xinwen Ma ==> Christophor Kozhuharov; (with some delay) Giorgos Lalazisis ==> Thomas Faestermann, Klaus Blaum via e-mail to Yuri, Markus Steck via a phone call to Yuri

### Agenda:

1. Members and previous minutes
2. Overview of ILIMA and the planned storage rings at GSI-FAIR
3. Schottky pick-ups
4. ToF detectors
5. Other detectors
6. Financial planning
7. Schedule for TDR writing
8. Conferences and Workshops
9. AOB

Call to order by Phil at 9:32 a.m.

1. Members and previous minutes

Phil (referring to the minutes of the previous meeting) asks whether an action has been taken with respect to the members of the collaboration board. Phil will write to the members, who did not nominate a proxy. Christophor reports that he recently learned that Seliverstov is seriously ill. Out of 15 or 14 voting members, 8 are present - 11 are needed. Giorgos Lalazisis ==> Thomas Faestermann, Klaus Blaum ==> Yuri by e-mail. Yuri called Markus and obtained a proxy from him.

Motion on a point of order by Yuri: Not only the GSI Nuclear Physics division but the Atomic Physics division and the Accelerator Division are the second and the third mainstay of ILIMA. Hence, it would be appropriate to invite Thomas Stöhlker and Udo Weinrich, and Haik Simon as well.

General membership: Gavin Lotay from Surrey would like to be included, also: Ali Najafi, Marcel Diwisch, Alex Herlert, and Roman Gernhäuser.

General Discussion about the mailing list and the collaboration list follows. Phil will attach the presently available list to the minutes. Helmut will check with the NUSTAR list (62 members presently). There were two lists: an old one and an updated one. There was some discussion about membership from postdocs and above; and there may at some point be a contribution fee related to the lists! We should feel free to include students. There is, however, no procedure to remove members from the collaboration.

The CB approves the minutes of the previous meeting.

2. ILIMA's place within FAIR

Yuri and Helmut delivered some comments on the ILIMA Task Force. ESR remains; CRYRING has been approved as a FAIR project. Hans states that the connection to ESR remains. Yuri points out

that there may be complications. The extraction to the south (FRS, ESR, and CRYRING) has not been decided yet. The extraction from ESR to CRYRING has been elaborated by Bernd Franzke.

CR will be a task for Novosibirsk. The project is delayed: the cost effectiveness has to be improved. A formal decision is needed to have the extraction to FRS. Yuri - there is a memorandum of understanding about the transfer of responsibilities for CR from GSI to Novosibirsk.

HESR is progressing very well in time. Jülich is in the process of ordering the last parts. Connection (Hades line via FRS) - they would need ESR.

Ring Task Force: NESR not included. Antiprotons? The CR connection to ESR has to be the 1st priority. Question: why not via FRS? It has to be FAIR-relevant and there is no funding for the buildings.

The task force has been defined on the FAIR level. Discussion between Helmut and Christoph follows. The task force should be relatively small according to Helmut. Thomas Nilsson and Reinhold Schuch decided to nominate 5 people each. The mission of task force has been defined by Yuri. Until recently, the extraction to the south has not been discussed. Christoph notes that someone from the FRS is needed.

Helmut shows the minutes of the technical board meeting. CR: the baseline scenario + a picture of the CR are shown - transverse detection in China and Japan + Shahab, no gas jet. (cf. Helmut's transparencies). Yuri mentioned that there are positions available for the pockets.

There are numerous questions with respect to HESR.

Helmut notes that there may be some experiments going on in the years 2017-2018 (FRS+ESR) and the question is, what could we do?

### 3. Discussion of detector systems

A roadmap overview has been shown. Christoph thinks that a discussion of the roadmap is mandatory, since we have new possibilities for applications for (German) federal funding (Bundesmittelanträge). Wolfgang & Christoph: TDR preparations and consumables could also be requested. The deadline for the applications is December 15th. Wolfgang has learned in the MATTS collaboration that a TDR has to be approved but the application can be submitted before the TDR-approval. Helmut thinks that there is a kind of Catch 22. BMBF-applications are somehow premature for the major anticipated investments.

Christophor notes that ILIMA BMBF-requests have been aimed at supporting the Giessen-ToF-detector, with some for Munich (other detectors). Some aspects of Schottky diagnostics will be provided by the accelerator, but Schottky funds are also needed from the ILIMA side.

Wolfgang thinks that we should also consider a backup plan ("Plan B") if the BMBF application does not work. Yuri suggests that Helmut could work on this and propose something later. Christoph focuses on the need for a road map, since a working plan is missing. 'Projektmittelanträge' (i.e. - applications for project funds) can be changed if necessary; for instance, the cost book is also being changed, etc. A relatively long discussion followed. Attempts were made to propose to try to describe the plans on one page of paper and keep them up to date.

Wolfgang noted the need for better communication with Lanzhou. The question is whether we should have a full development in one centre or a joined one. Wolfgang proposes to have a common project. He also expresses his wish to join the experiments in Lanzhou. The development should run under a GSI umbrella. After further discussion, Thomas proposes to vote. There is a majority of 7 votes in favour of Wolfgang's idea, and 4 abstentions.

13:00 Christoph leaves the meeting. Time for further discussion is curtailed by the need for a short break before the ILIMA Open Meeting at 13:30.

It was agreed that the particle detectors will be in the hands of Roman Gernhäuser and Thomas Faestermann.

#### 4. Next meeting

July could be anticipated for the next meeting or the meeting could take place during the STORI conference in the 40th week.

13:06 end of the meeting.