

Minutes ILIMA CB Meeting (GSI, March 1st 2011)

Participants: K. Blaum (MPIK Heidelberg), I. Dillmann (JLU Giessen, GSI), T. Faestermann (TU München), H. Geissel (GSI), C. Kozhuharov (GSI), Y.A. Litvinov (GSI), D. Seliverstov (PNPI), M. Steck (GSI), P. Walker (Uni Surrey), H. Weick (GSI)

Minutes: I. Dillmann

Agenda:

1. Apologies and memberships
2. Minutes of meeting 8th November 2010
3. Matters arising
4. FAIR/NuSTAR status
5. Project Manager's report (including TDR status)
6. Financial matters
7. Conferences and workshops
8. Web pages
9. AOB
10. Date of next meeting

1. Apologies and new memberships:

Apologies were received from some Collaboration Board members: S. Goriely, Z. Patyk, C. Scheidenberger, W. Plass, T. Yamaguchi.

New members of the ILIMA collaboration (which is an open collaboration) were approved: Dragan Toprek, Rayner Guzman, Burcu Cakirli, Daria Shubina, Shahab Sanjari, Michele Marta, Alexey Evdokimov, Matt Reed, Xiolin Tu. The spokesperson will write to the new members.

Andre Fettouhi will be removed for the collaboration list.

2. Minutes of the Meeting Nov. 8th 2010

The minutes from the last meeting were accepted.

3. Matters arising

In the NUSTAR technical board the ILIMA Technical Coordinator (H. Weick) needs one deputy to be assigned, who helps locally at GSI. The CB agrees on Yuri Litvinov as deputy.

4. FAIR/NUSTAR status

HW reports on the WA/WD (Wissenschaftlicher Ausschuss/ Wiss. Direktorium) meeting with H. Eickhoff. The structure of the FAIR GmbH comprises the sections "Sites & Buildings", "Experiments", and "Accelerators". The structure of the NUSTAR@FAIR project management is not yet clear: There will be a resource coordinator RC (A. Herlert?), and a technical coordinator TC (J. Gerl), which should also be the project manager PM.

KB asks who from NUSTAR is in the "Board of Spokespersons (Experimental Board)" chaired by P. Senger. The NUSTAR representatives are C. Scheidenberger and T. Nilsson. PW as ILIMA spokesperson was not informed about this. This topic should have been discussed in Lund in Oct. 2010, but obviously was not. Communication must be improved, spokespersons should be informed about such actions.

There is also a "Board of representatives and spokespersons" (formed by W. Gelletly), where T. Nilsson was the representative as NUSTAR-PM. This board includes all RCs and TCs, who are employed by the FAIR company (~40-50 persons). The NUSTAR-TC (J. Gerl) is employed 50% GSI, 50% FAIR. The new NUSTAR-RC (A. Herlert) will be assigned when G. Rosner (FAIR Scientific Director) signs his contract.

- *FAIR/ NUSTAR beyond Phase 1:*

The status is still the same as during the NUSTAR week last year in LUND. Nasser Kalantar is preparing a written statement. HG emphasizes that we have support from B. Sharkov, but the money cannot come from FAIR (limited to projects in the MSV), so it must come from elsewhere.

The question arises where the 64 k€ for the independent planning of the low-energy branch should come from. This question should be addressed in the upcoming NUSTAR week.

5. ILIMA Project manager's report

HW reports that the TDRs for the CR (TOF, Schottky pickups) should be ready by summer/autumn 2011.

Status Schottky pickups: article submitted, but exact position in CR is missing. The plan is to use resonant pickups in addition to classical pickups. YL says that the pickups are small parts with no big space requirements compared to other components, thus the discussion was up to now turned down by the "FAIR rings meeting". MS mentions that no technical design for the CR existed until recently, and the main concern was the space constraints of major components. The exact number (>3) and thus position of the resonant Schottky pickups is unclear until now, but should be decided before the TDR is finalised. MS says that more specifications are needed.

Status TOF detector: the upgrade of the TOF detector (talk by R. Knöbel during the open meeting) is ongoing. The foil thickness has been decreased (more revolutions possible), the MCP pore size has been decreased, and the magnetic field configuration has been optimized, yielding altogether a higher efficiency.

The question arises, how "final" the detector designs in the TDR should be, but minor changes are allowed later. KB emphasizes that their MATS/LASPEC TDR helped a lot. Money from the German BMBF is only released after the TDR is accepted.

The CB discusses about one combined TDR for all ILIMA detectors in the CR. MS says that up to now detector pockets (for the particle detectors) are not foreseen, this should be pushed by the ILIMA-PM (HW) in the upcoming ring meetings (not much space needed, 100-150 mm diameter flanges). OK expresses his concerns about one combined TDR because part of the specification for the particle detectors (subproject leader ID) is not yet worked out and could delay the others. It is agreed that one first has to find some physics cases for the particle detector before one decides about the detector type (talk of ID in the open meeting). All other members agree to write one combined TDR. Later a second TDR for ILIMA in the NESR has to be written.

YL reports about the progress in Lanzhou. The progress is a little bit delayed because they needed to vent the ring. Presently only one TOF detector is installed, and the Schottky pickups follow in June 2011.

6. Financial matters

An update of the money matrix and the time line must be integrated in the TDR. For the public version of the TDR the financial aspects should be removed.

7. Upcoming Conferences and Workshops

- ARIS (Leuven/Belgium, 29.5.-3.6.2011): Invited talk by YL; additional ILIMA contributions? PW submitted abstract (oral presentation), Dasha (poster), Shahab (poster), Ronja (poster)
- Isomer workshop in St. Petersburg: YL will submit abstract
- NIF workshop in London: PW, OK
- NUSTAR week in Bucharest: Beginning of October

8. Webpages

OK mentions that it became more complicated with new FAIR servers, so he has to check status. Maybe webpages have to be moved.

Internal ILIMA pages: see NUSTAR Wiki pages on <http://nustar-wiki.gsi.de>. Registration possible for everybody.

9. AOB

Nothing.

10. Next ILIMA CB meeting

Could take place when experiments are running and people are nevertheless at GSI. Better suggestion seems to be the FRS User Meeting in November.

The TDR concept and a layout idea should be ready before then.