

S U M M A R Y
on the ILIMA-collaboration meeting held at GSI
on September 2, 2004

Present: *K. Beckert, P. Beller, D. Boutin, A. Dolinskii, S. Eliseev, H. Geissel, F. Herfurth, R. Knöbel, C. Kozhuharov, K.-L. Kratz, Yu. Litvinov, S. Litvinov, Lixin Chen, L. Maier, M. Matoš, G. Münzenberg, I. Nesmyan, F. Nolden, Yu. Novikov, M. Petrick, W. Plass, U. Pramanik, C. Scheidenberger, S. Typel, G. Vorobjev, H. Weick, M. Winkler.*

Apologizes: *G. Audi, F. Bosch, Th. Buervenich, M. Hausmann, E. Kaza, D. Lunney, D. Madland, T. Ohtsubo, A. Ozawa, Z. Patyk, Z. Podolyak, K. Sümmerer, T. Suzuki, P. Walker, T. Yamaguchi.*

The meeting of the ILIMA-collaboration was devoted to discussions of three main blocks of problems:

- status of the ILIMA-proposal and current activity,
- new ideas and technical challenges in development of experimental methods for the ILIMA-project,
- organizational problems (definition of the structure of collaboration, working groups, working packages, writing group for the Technical proposal etc.).

The following papers have been presented:

G. Münzenberg cordially welcomed the participants and presented the structure of FAIR-project and priorities,

H. Geissel gave a talk on the status of the Super-FRS project,

Yu. Novikov presented the ILIMA-LoI and status of the Project.

Yu. Litvinov, M. Matoš and D. Boutin gave talks on status of Shottky Mass Spectrometry, Isochronous Mass Spectrometry and half-life measurements at the ESR, respectively,

H. Weick outlined the goals and technical challenges of ILIMA-project ,

A. Dolinskii reported on the isochronous mode in the new Collector Ring(CR) of FAIR,

W. Plass presented the status of TOF-detector for IMS,

F. Nolden discussed the possible use of a new HF-resonant Schottky-probe at the CR and presented the status of the stochastic precooling,

C. Kozhuharov proposed correlated measurements with many Schottky pickups,

L. Maier presented the status of particle-identification detectors for half-life measurements,

F. Herfurth gave a talk on the MATS-project.

In the final session of the meeting the organizational structure of the ILIMA community has been discussed and decisions have been reached.

Yu. Novikov informed on the NUSTAR Board of Representatives recommendations (the Notes of June 30,2004) to decide on:

- a spokesperson,
- a project manager,
- working groups (WG) and their contact persons,
- membership and contact persons for the common NUSTAR WGs,
- a writing group of the Thechnical Proposal (TP) which should be submitted by Jan.15, 2005.

The NUSTAR BR recommends to have one NUSTAR proposal with sub-proposals as done with the LoIs.

The Structure of NUSTAR organisation contains the NUSTAR Interim Steering Committee (NUSTAR BR + Spokespersons of different Projects) and NUSTAR project management which deals with the working groups. It was recommended also to have common working groups, as, e.g.,

- electronics and DAQ,
- detectors,
- modelling and simulations,
- TP writing group.

The BR reminded also of the necessity to discuss the merging of ILIMA and MATS LoIs, as it was recommended by NUSTAR PAC.

The ILIMA-Collaboration Meeting DECIDED:

- To define the ILIMA-collaboration with 65 participants (17 institutions, 9 countries) as a part of NUSTAR community. Though only 40 colleagues have confirmed in written form their wish to participate in the future ILIMA- project, it was decided to leave for a while the list of collaborators as it was announced in the LoI. The names of K. Blaum (Uni-Mainz), L. Chen (Uni-Giessen), P. Möller (LANL) and K. Takahashi (GSI and AULB) have been added.
- To establish seven working groups:
 1. Physics scientific programmes (Contact Person - Yu. Novikov),
 2. Theory group,
 3. Analysis of data, software development (C.P.- Yu. Litvinov),
 4. Modelling, simulations, beam handling (C.P.- H. Weick),

5. Detectors (C.P.- W. Plass),
6. Electronics, DAQs (C.P.- C. Kozhuharov)
7. Technical proposal writing group (C.P.- H. Weick)

Four latter should be also parts of the common NUSTAR groups, as it was recommended by BR. The proposed list of the members of the groups can be find in attachment. Those whose names are not included in the list of group members and who would like to join the group should send their wishes to the Spokesperson.

- As the ILIMA-project was triggered by current activity at the existing SIS-FRS-ESR facility and this activity should be steadily developed into the future, it was settled to appoint a spokesperson of ILIMA to take care about this development. Meanwhile, as the Technical proposal needs urgent and, subsequently, continual efforts in the technical part of the future project, it was decided to have also a Project Manager.
- The list of responsibilities of the Spokesperson and Project Manager has been discussed and approved at the meeting.
- The Organigram of the ILIMA collaboration was also approved.
- It was decided to be reasonable to leave the requests for financing unchanged as it was announced in the LoI.
- The discussion about the possible merging of ILIMA and MATS LoIs has been undertaken. As these projects are dealing with completely different techniques, it was noted that the full unification of the projects seems unreasonable. However, a close cooperation in the elaboration of scientific programmes and joint plans for research work was considered to be of paramount importance. K. Blaum and F. Herfurth (both of MATS-collaboration) have been included in the ILIMA working groups.
- The working groups should define the development tasks to be listed in the Technical proposal.
- The writing and working groups should start their work on the writing of the Technical proposal which should be submitted by January 15, 2005.
- The meeting unanimously made a decision to appoint **Yuri Novikov** as Spokesperson of the ILIMA-Project and **Helmut Weick** as Project Manager.
- The emblem of ILIMA-collaboration with the Native Hawaiian plant of Malvaceae family with the name ILIMA, has been approved.

Yuri Novikov - Spokesperson

Helmut Weick - Project Manager