

Minutes of the MATS & LASPEC Meeting at the NUSTAR Annual Meeting in Darmstadt

03.03.2015

Participants:

Zoran Andelkovic	GSI
Michael Block	GSI
Timo Dickel	GSI / JLU
Sergey Eliseev	MPI-K
Wolfgang Geithner	GSI
Christopher Geppert	JGU Mainz
Alexander Herlert	FAIR
Ari Jokinen	JYFL
Gerrit Marx	EMAV
Gottfried Münzenberg	GSI
Iain Moore	JYFL
Dennis Neidherr	GSI
Wilfried Nörtershäuser	TU Darmstadt
Yuri Novikov	PNPI
Wolfgang Plaß	JLU Gießen / GSI
Sivaji Purushothaman	GSI
Sami Rinta-Anbika	JYFL
Daniel Rodriguez	UGR
Rodolfo Sanchez	GSI
Christoph Scheidenberger	GSI
Peter Thirolf	LMU München

1. LEB Task Force (Dieter Ackermann)

Currently a possibility is searched to get started with the LEB building as soon as possible without delaying FAIR. The goal is to create a consortium that is willing to fund the additional costs of about 6 M€ (2005). Sweden, India, Russia, Finland, UK, Poland, Romania, Turkey, and France are interested in the LEB. Sweden has already promised 0.35 M€.

2. Evaluation (Alexander Herlert + Nasser Kalantar)

The evaluation of the four pillars of FAIR went well for NUSTAR. It has been ranked on top among the pillars based on its competitiveness also in 2025 with a very sound physics case. This should give us additional arguments pushing for the early realization of the LEB building. An oral statement by Rolf Heuer was the LEB will come.

3. Cost book issues

There is some concern concerning the usual statement that MATS is completely funded, but on the other hand little money is displayed as secured on the graphs presented to the funding agencies. This should be resolved. Money already granted for specific devices should be consistently reported.

4. LEB Infrastructure and Gas Cell TDR

A constructive meeting happened in November. The TDR of the gas cell will be written without considering a high-voltage platform but leaving it as a possibility. The final decision will depend on the outcome of the experiments currently considered at Jyväskylä to test Pulsed Drift Tube acceleration. This will happen earliest in 2016. As long as no other solution has been demonstrated to work reliably, the classical layout with the source at high-voltage must not be abandoned. The conclusion was taken that the magnetic dipole separator will stay in the setup. If we want to go for an early realization of the LEB building, without destruction of walls that were first built according to the current layout, we have to hurry with the definition of the detailed layout of the LEB area and then with the floor plan of the MATS-LASPEC experimental hall.

To start this process, Wolfgang Plaß will ask Jürgen Gerl to organize a second LEB-Infrastructure Meeting within the next months. The previous lists for required media, supplies and other infrastructure will be taken and updated. This should prepare more detailed discussion in the upcoming Nustar week in fall.

After the finalization of the stopping-cell TDR, the final TDR that has to be written for MATS and LASPEC is the connecting beamline between the gas cell and the RFQ. This should happen in due time but needs consideration of the acceleration process.

5. Election of the MATS board (Daniel Rodríguez)

The current management suggested Michael Block as a new spokesperson. Daniel and Ari will continue as deputies. It was decided that there are sufficiently many collaborators for a direct vote (see list of participants). Nobody was opposing this suggestion and the three suggested candidates were elected.

6. Election of the LASPEC Board (Wilfried Nörtershäuser)

Wilfried will soon complete his 2nd term as a spokesperson. Since only few LASPEC members have been present, a discussion was postponed to a LASPEC meeting that will be organized at the LAP conference. Election of a new board will then happen between this meeting and the Warsaw NUSTAR week. Wilfried suggests that the Technical Director and the Project Manager that have been so far unified – together with the GSI contact – in a single person will be split in the future. Zoran Andelkovic, who has overtaken these roles ear ago from Christopher Geppert, could become the Technical Director, while Jörg Krämer would be an ideal candidate for the Project Manager. This will be further discussed at the LAP conference.

7. MoU (Wilfried Nörtershäuser)

The sub-collaborations can get their own MoU's ready and signed. MATS already has this done. An updated version for LASPEC has been created and the changes to the working groups were presented: Laser desorption RIS has been removed as a working group and the RIS WG changed the name and topic to a more general "Optical beam manipulation". The optional laser spectroscopy on HCI will also be removed. An update of the cost matrix is required, giving new institutes that would like to contribute the chance for an expression of interest. This will be performed via email and an updated version is expected in June at the LAP meeting.