

## Minutes of the EXL meeting, GSI, 11.02.2005

Number of persons present: 28

### 1. Status of the EXL Technical Proposal

The EXL Technical Proposal was submitted at the end of January 2005. On 14-16 March 2005 all Technical Proposals for the future experiments at FAIR will be evaluated in parallel sessions of the 3 PACs (the EXL TP will be evaluated by the NUSTAR PAC). The PAC should write a report of its evaluation and recommendations based on the science, technical aspects, feasibility and cost effectiveness. Referees are probably the same as for the Lol (to be confirmed).

### 2. Collaboration Agreement

The R<sup>3</sup>B collaboration has prepared an MoU. Other collaborations are preparing similar documents. In short, one representative per participating institute is invited to sign and by doing so agrees to try and find the resources to contribute substantially to the project. The idea of writing such a document for EXL was discussed. Most institutions would be ready to sign it, but some would need to wait until the political decision about the participation of their institute/country in FAIR is clarified. It was agreed to prepare a Collaboration Agreement (instead of MoU) to be circulated and signed before the PAC.

### 3. Status of the EXL EURONS JRA

A EURONS meeting was held in Madeira just before the NUSTAR collaboration meeting. Nasser Kalantar attended that meeting and gave a report. The EU money will be allocated on the time scale of 1/4 of the total sum per year. How the money is spent will not be required in great details, the most important thing is not to exceed the total allocated sum. The overheads are 20% max, and should be taken into account when groups plan to hire people. Traveling money is for instance for collaboration meetings, but not for conferences; groups can invite some experts and pay the travel for them from this source. The amount of man-months paid by the institutions should be at least the same as paid by the EU. However it was agreed that institutes should aim to contribute at the level of at least 1,5 times the EU contribution.

#### Milestones:

- key experiments - 09.05
- possible experimental setup - 09.05
- design of the in-ring detectors - 09.06
- prototypes - 09.07
- installation of the prototypes - 06.08
- final test - 12.08

#### Deliverables:

- summary report - 12.05
- technical report - 12.07
- final report - 12.08

See also Nasser's email distributed on 14.02.2005 (attached).

### 4. Integration of JRA and FAIR activities

It was generally agreed that the EXL FAIR and EXL JRA activities should match and be carried out jointly. One important issue is to find urgently the personnel for the simulations to be done in the first 18 months. We were also reminded that the target developments are not part of the EXL JRA.

## 5. Next Collaboration Meeting

The discussion with the people present resulted in the conclusion that there is no real need for a collaboration meeting before the summer. Most importantly the work groups need to meet and agree on a detailed plan for the work to be done, and by who, towards the preparation of the Technical Design Report (mid-end 2006). The Collaboration Board thus requests a short report from each work group containing these detailed plans by 15 April 2005. The Collaboration Board will meet in May/June.

It was agreed that the collaboration meetings of EXL and R<sup>3</sup>B should be synchronized to save time as well as traveling money and to make meetings more effective. The next R<sup>3</sup>B meeting being already planned for 28-30 September 2005 in Santiago de Compostella, Spain, the next EXL collaboration meeting will thus be held jointly in Santiago at the same dates. The proposed format of the meeting is: 1 day for specific collaboration issues (meetings of the Collaboration Board, work groups, JRA, etc.) and 2 days in common.

A meeting of the recoil detector WG will be held in Uppsala in the second half of May. There will be EXL and R<sup>3</sup>B representatives, as well as experts from other collaborations, to discuss Si detectors and electronics.

## 6. ESR beam time

One week of beam time for tests at the ESR was granted by the GSI EA in September 2004. A request to use two days on 7-8 April 2005 was submitted. Parasitic time will be used to perform tests with the Si detector already mounted in the target chamber, using elastic scattering of a Kr beam on a pure hydrogen target. Contact Peter Egelhof if you want to participate. A request for the rest of the time (5 days) needs to be placed now in order to get it in the 4<sup>th</sup> block of 2005.

## 7. Budget for 2005

GSI has 70-80 kEUR for equipment. We need to define what should be ordered now in order to be able to spend it by October, otherwise it will be difficult to get money at the end of the financial year. Requests should be sent to Marielle Chartier or Peter Egelhof.

## 8. AOB

We call for your artistic input to design a logo for EXL.

The EXL web page (<http://ns.ph.liv.ac.uk/~esp/nuclear/npgnew/ns-instrum-exl.html>) will be updated and maintained by Univ. Liverpool.