

Minutes of ILIMA Collaboration Board 3 March, 2020, GSI (10:00 — 12:00)

Attendants: Takayuki Yamaguchi, Yuri Litvinov, Helmut Weick, Wolfgang Plass, Natalia Kuzminchuk, Iris Dillman via Skype.

Proxies: YL for K. Blaum, C. Kozhuharov, M. Steck; WP for C. Scheidenberger, H. Geissel

1. Previous Minutes

Previous minutes were approved.

2. Day1 physics -> phase-0 Experiment Proposals:

We agreed to submit 2 proposals.

2.1. First proposal $^{188}\text{Hf}_{116}$

Yuri: to use new Schottky pick ups with isochronous mode. No cooling will be required. The relative accuracy is determined by the isochronous mode and is $\delta m/m \sim 10^{-7}$.

The main proposal is to search for the isomeric states plus the new masses which will come in addition.

According to the proposal 5 days are planned: 3 days for the ^{188}Hf , 1 day for ^{186}Hf , and the test of the Schottky pick ups.

The proposal will be distributed at the end of March.

2.2. Second proposal from TRIUMF (Spokespersons G. Griffin, I. Dillmann)

Iris: $^{214-217}\text{TI}$ (beta-delayed neutron branching ratios, $T_{1/2}$, masses)

Iris explained the idea with slides. The ESR pocket detector setup (CsISIPHOS) is used to detect daughter nuclei after beta-delayed neutron emission. Yields and efficiencies to be checked for beam time calculation.

3. Collaboration Agreement

It was discussed whether before sending the articles to the Journal/Conference Proceedings the Collaboration Board has to be contacted 1-2 weeks in advance for comments. It is agreed that this time is necessary and sufficient.

Helmut: As a starting point for the Collaboration Agreement the one for Super-FRS experiments was used as a template. Taka, Iris, Yuri and Helmut had made changes. Some comments are still in the text. The discussion was about the Minutes from 2006 and the present Collaboration Agreement.

It was decided that Natalia will take comments into account and include the decisions from the Minutes of the ILIMA Collaboration Board Meeting held on 26.04.2006 at GSI. At the ILIMA Collaboration meeting in 2006 the major discussions on the collaboration board structure, organization, management, responsibilities and mandates were taken place. Natalia will prepare the text of the Collaboration Agreement with the help of Helmut and Yuri.

4. TDR Status, Technical specifications and next steps

Taka, Helmut: All three TDRs (TOF, Schottky and particles detectors) are approved.

Helmut: The Technical Specifications for TOF detectors are accepted. In-kind Contract text is prepared but not yet signed.

Afterwards one can fill the BANF. The purchase, requisition (BANF) and tender document for magnets being prepared.

Yuri: Current status of the planned storage rings at GSI-FAIR. The funding for CR building is not approved. It is decided to wait with the tender and BANF. The accelerator components are funded but the buildings are not funded.

Helmut showed some slides about funding. The equipment is not completely covered by German in-kind. Other funding applications (Canada, Japan) are ongoing. Decapole magnets with the original design will be included in the CR machine construction.

5. Conferences

ARIS (Avignon, June), DREB (Santiago, June), EXON (Saint-Petersburg, June), STORI (Huizhou, September), NIC (Chengdu, September)

6. Next Meeting

The date of the next meeting will be announced.

7. New members

Filip G. Kondev (Argonne) and Guy Leckenby (TRIUMF) were approved.

Takayuki Yamaguchi thanked the participants and closed the meeting.