

Draft minutes of ILIMA collaboration board meeting, March 2, 2015

notes by Thomas Faestermann, corrections by Helmut

Start 9:35

Present: Phil Walker, Yuri Litvinov, Helmut Weick, Thomas Faestermann, Hans Geissel, Christophor Kozhuharov, Wolfgang Plaß, Markus Steck

Invited: Christoph Scheidenberger, Haik Simon (from 10:15), Udo Weinrich,

Proxies:

Zygmunt Patyk, Takayuki Yamaguchi => HG

George Lalazissis => TF

Klaus Blaum => YL

Xinwen Ma => CK

1. Membership and previous minutes

18 „members“ registered on new NUSTAR list are not official ILIMA members yet. It is clear that collaboration board will decide in favour of membership.

PW will contact the people on any list and ask whether there is still interest.

Then the board will decide.

Discussion on minutes of board meeting, March 4, 2014:

HW: point 3 par. 4: “under a GSI umbrella” does not express it right, but after some discussion postponed.

CS: unclear sentences: point 2 par. 3, “they would need ESR”

Point 3 par. 1: “chances are not so good”

CS: never said “without TDR – no connection to Verbundforschung”, Uni Gießen has applied for funding of development.

Par 3, last sentence: Thomas is Thomas Faestermann.

CS: Minutes should be distributed earlier.

2. Elections

After short discussions in the absence of the only candidates, unanimous acclamation of

Spokesperson: Phil Walker

Deputy Spokesperson: Yuri Litvinov

Project Manager: Helmut Weick

3. Current status of the planned rings

UW: The CR technical coordination is transferred from GSI => FAIR GmbH => BINP Novosibirsk, some development stays at GSI, like RF, schedule for CR is delayed, no contract for dipoles yet, building delayed.

In May coordination workshop at BINP,

GSI had TDR ready in October 2013,

The three operational modes are all being pursued.

HW: communication with BINP exists

UW: but sometimes not easy

HG: are there priorities?

UW: they try to optimize for all three users

CS: is there a list with the parameters requested by ILIMA?

UW: would welcome a paper with parameters to check against planning of BINP;

general discussion on how communication should flow

ILIMA (HW) via FAIR to BINP ?
directly talking to BINP ?
via NUSTAR to FAIR and BINP ?

It is correct: HW ⇔ O. Dolinskiy ⇔ Ivan Koop (at BINP)

We want a short note on needed specifications for CR that can be passed also the political way via FAIR to BINP, to have it as written document.

Other rings:

UW: CRYRING is being assembled, commissioning planned in summer 2015

Frank Herfurth is in charge.

In the beginning operation with own ion source,

SIS18 operational again 2017/2018.

A physics program should be defined.

YL: physics programme has been submitted a week ago with some ILIMA-connected proposals.

ESR

MS: old control system has been abandoned, new system needs at least one year, but unknown.

UW: there are no priorities for operational development, funding not clear.

HS: ILIMA has to express that it requires to run the ESR from 2017 on. UW and HS can promote this.

CK: informs that space of ESR DAQ in the HKR has to be given up, and also that some of the interfaces between ESR controls and ESR DAQ will be obsolete.

Detectors:

4. Schottky:

CK: Problem remains funding, work in progress on positions for Schottky probes in the CR, a minimum of 3 is required.

YL: there may be 12 positions available for res. Schottky probes; development to measure also B.rho with transversal probes; for longitudinal probes a TDR could be written based on S. Sanjari's thesis

5. TOF:

WP: work in progress to optimize positions and distances in CR, tests with 80mm diameter carbon foils promising. No collaboration with Lanzhou established yet due to lack of minutes from previous meeting. Gießen applied for BMBF funding for development

6. Other detectors:

TF: In a collaboration between Gießen/GSI and TU München a pocket detector has been built. It will be presented by Ali Najafi in the ILIMA open meeting. It consists of 6 SSSD's, 1 DSSD for x and y measurement, a CsI crystal for residual energy and in between a layer of Ta as passive absorber. Was successfully tested in October 2014 with 142Pm ions and daughters. BMBF funding was applied for to finance Ali for another year. TDR could, and should, be written within half a year.

7. Financial planning

HW: had to define project funds again and communicated to ILIMA technical board:

The 740k€ in 2005 translates to 933 k€ today:

320 k€ for Schottky

310 k€ for TOF

120 k€ for other detectors, mainly pockets

183 k€ for DAQ

CS: why not contribution from Lanzhou for Schottky?

MS: no experience

YL: China cannot give cash to the "company" FAIR GmbH. China will provide 2 TOF detectors and could contribute in-kind, e.g. with vacuum equipment. But in China there is no up-to-date oscilloscope available.

TF: The cost of the prototype detector stack is 60k€. Could China contribute in the form of vacuum pockets?

After more discussion the board supports HW's project funds division (for the moment).

CS: believes that an overall schedule (*better plan*) should be visible.

YL: money matrix was once changed arbitrarily, now changed again with communication to the board.

8. TDR's:

TF: Si telescope within half a year

WP: for TOF maybe 1 year

Schottky: not soon, do more R&D first

HS: asks whether TDR's should be kept as internal documents and continuously updated, or handed in.

There is generally the feeling that there is no hurry for handing them in.

9. Conferences and workshops

(incomplete)

EMIS, no ILIMA contribution

28.07.15 - 31.07.15 [HIC for FAIR workshop FAIR Detectors and accelerators](#) , Hamburg, Germany
Lanzhou ?

HIC for FAIR at FIAS ?

18.05.-22.05.2015 Nuclear Physics in Astrophysics VII, York, UK, <http://npa7.iopconfs.org/home>

07.06-12.06.2015 EURORIB'15, Hohenroda, Germany,
<http://indico.gsi.de/conferenceDisplay.py?confId=2719>

EURORIB, no special ring session, but could be
None with invited talks on ILIMA related physics.

10. Any other business

CS: Could there be contributions of project funds from other collaborations to ILIMA?

YL: there is a division on physics grounds. ILIMA is also profiting from other experiments, e.g. from the gas target of SPARC.

HS: the GSI project funds go to the 4 pillars and cannot be rerouted.

11. Date of next ILIMA CB meeting

UW: there may be no detailed schedule for resuming operation before 1 year's time.

General feeling to keep the date open.

End around 12:40