

**Minutes of the  
AMBER Collaboration Board Meeting via ZOOM  
on March 10, 2022, 15:00 Geneva time**

**Attendance:** C. Azevedo, B. Badelek, J. Berenguer, J. Bernauer, A. Bressan, M. Chiosso, S. Dasgupta, O. Denisov, N. Doshita, A. Dziuba, M. Finger, H. Fischer, J. Friedrich, A. Guskov, E. Kabuß, B. Ketzer, R. Kurjata, J. Lichtenstadt, W. Lorenzon, V. Lyubovitskij, H. Marukyan, T. Matsuda, D. Panzieri, A. Sandacz, B. Seitz, P. Zuccon  
V. Andrieux, S. Levorato, D. Neyret, O. Kiselev

**Guests:** –

**Apologies:** J. Novy, C. Quintans (replaced by M. Stolarski), G. Mallot

**Absent:** S. Donskov, S. Gerassimov, M. Grosse-Perdekamp, D. Keller, M.X. Liu, N. Masi, G. Nigmatkulow, V. Saleev, H. Suzuki

The agenda was:

1. Welcome, Attendance and Apologies
2. Approval of Agenda
3. Situation of AMBER collaboration
4. Approval of Minutes:  
CB meeting on February 9, 2022
5. Communications by SPs
6. Status of MoU
7. PubCom report
8. 2022 plans
9. Communications by CB chair
10. AOB

## **2. Approval of Agenda**

The items on the agenda were approved without changes.

## **3. Situation of AMBER collaboration**

A report was given by Jan Friedrich and also by Oleg Denisov in the collaboration meeting in Friday.

Jan gave a reminder of the mail to the collaboration on 28.2. and summarized the CERN council statement from 8.3.22. Meanwhile some more detailed documents are available. We received a mail from J. Mnich on 10.3.22 that AMBER is counted as an existing experiment and he send the question whether there is an impact on the deliverables due to the war in Ukraine. The next council meeting will be on 25.3.22.

We will try to pursue the collaboration with our Russian colleagues. If there are any national measures please inform the SPs immediately.

It is not quite clear whether papers can be signed with Russian institutes on.

It is unclear in the moment whether the MoU can be signed as planned, may be some rephrasing might be necessary.

The question was posed whether the Russian groups are allowed to travel and to collaborate. This will be clarified in the next weeks taking into account the further developments.

#### **4. Approval of Minutes**

The draft minutes for the CB meeting on January 11 were distributed on February 28th. They were approved without changes.

#### **5. Communications by SPs (given by Oleg Denisov)**

##### **a. Series of meetings with CERN EP safety group:**

- Concerns both new constructions and equipment that will be transmitted from COMPASS to AMBER.
- In the meetings on 10.2. and 18.2. mainly TPC related issues were presented by Stefano, Aleksei and other colleagues.
- Transition COMPASS – AMBER will take place end of 2022, most part of the spectrometer will be re-used (list of equipments being produced by physics group).
- No unattended equipment is allowed.
- For old equipment also new safety regulations apply. Some interaction with the safety group will be necessary to discuss possible exceptions.
- Risk assessment for the TPC is mandatory, should be started soon (external company?).
- Some financial support from EP can be expected.
- Regular monthly meetings will be established.

##### **b. Manpower/Finances:**

- TC depute: Marat Vznuzdaev (PNPI) is available, negotiations are on-going with PNPI.
- AMBER webpage: discussion is ongoing with Czech group.
- Engineer: there is a candidate from JINR, to be shared between BE NA-CONS program and AMBER, an agreement with BE is under preparation (conditioned by decisions of the next CERN Council meeting in June).
- CERN PhD position is under discussion for DAQ.
- To set up GLANCE for the AMBER member data base will need some financial resources, more information needed.

#### **6. Status of MoU**

Andrea Bressan took up the discussion on bylaws from last CB meeting.

##### **a. Open points were:**

- PubCom was missing in the bylaws, the text to be added was agreed upon in the February meeting.

- SP elections: Two terms are allowed in current bylaws.  
It was agreed to add: With 2/3 majority the collaboration board may allow for a second reelection.
- Short paragraph for the code of conduct will be added, mainly referring to the CERN code of conduct.

**Thanks to Björn, Catarina, Marketa and Moritz for their investigations and proposal.**

- In addition many small improvements in the wording as proposed by Helge Meinhardt are taken into account.
- All these modifications will be applied to the bylaws, the new version will be circulated to the CB and we will have an e-mail vote on this version. Changes of bylaws need a 2/3 majority of voting CB members.

**b. Still Open:**

- Distribution of seats in the CB:  
Current rule: one seat per institutions (results in 37 seats)  
Alternative proposal: use modified St.Lague's method (takes into account the number of paying members as used in COMPASS)
- We will have an e-mail vote whether we stay with the current rule or change to the modified St. Lague's method. For this Andrea will also prepare a short explanation of the modified St. Lague's method.

**7. PubCom report**

The first report of the newly set up PubCom was given by Wolfgang Lorenzon.

- Currently there are three members (A. Dziuba, M. Chiosso, W. Lorenzon). At least one additional member is proposed.
- A Twiki page was created <https://twiki.cern.ch/twiki/bin/view/AMBER/PubCom>, which contains list of upcoming conferences and workshop, talks, proceedings, also includes rules and guidelines. Please have a look and send your comments on the rules and guidelines. They will be discussed in the next CB meeting.
- Regular PubCom meetings take place every 2 weeks.
- Rehearsal activity was started successfully (plan to make rehearsals mandatory).
- Several suggestions for improvements were given.

**8. 2022 plans**

**a. Antiproton production:**

- The experimental setup and the list of detectors was given.
- Two days for beam tuning after the NA64 $\mu$  run during COMPASS setup time are being asked for (agreed with COMPASS SPs).
- One week at the end of the 2022 run with the full spectrometer, LiD target with dipole off and no chicane in the beamline are being asked for. This time includes commissioning (agreed with COMPASS SPs).
- Simulations are being done to evaluate the differences between LiD and He.

**b. PRM test:**

- Test of new DAQ planned.
- Test of partially equipped unified tracking station in the muon beam.
- Status of ALPIDE detectors: the licence problems were clarified, should be signed in April, purchasing planned for May.
- Timelines for production of Alpid detectors and Fibre hodoscopes were given.
- Planned tests:
  - Parasitic test of tracking stations in downstream area
  - One week under realistic conditions for the 100 GeV beam at the end of 2022 run

**9. Communications from CB chair**

**Dates of 2022 meetings**

- Collaboration meeting 2: Tue 21.6./Thu 23.6.22
- CB meeting : Wed 22.6.22 15:00 Geneva time  
If possible to do the June meeting in person. So the exet times have to be clarified.  
For the CB meeting always remote participation will be possible.
- Collaboration meeting 3: Wed 21.9./Fri 23.9.22
- CB meeting : Thu 22.9.22 15:00 Geneva time
- Collaboration meeting 4: Wed 7.12./Fri 9.12.22
- CB meeting : Thu 8.12.22 15:00 Geneva time
- **New:** Additional CB meeting: Thu 28.4. 15:00 Geneva time (remote)

**10. AOB**

There was no AOB.