

**Minutes of the
AMBER Collaboration Board Meeting via ZOOM
on December 07, 2022, 15:00 Geneva time**

Attendance: C. Azevedo, B. Badelek, J. Berenguer, J. Bernauer, A. Bressan, M. Chiosso, O. Denisov, S. Donskov, N. Doshita, A. Dziuba, M. Finger, J. Friedrich, A. Gerbershagen, A. Guskov, E. Kabuß, R. Kurjata, J. Lichtenstadt, J. Novy, C. Quintans, V. Saleev, A. Sandacz, B. Seitz, M. Zavertyaev
S. Levorato

Apologies: S. Dasgupta, H. Fischer, W. Lorenzon, N. Masi, P. Zuccon, V. Andrieux, T. Poeschl, O. Kiselev

Absent: M. Grosse-Perdekamp, D. Keller, B. Ketzer, M.X. Liu, T. Matsuda, G. Nigmatkulov, D. Panzieri, H. Suzuki, G. Mallot, D. Neyret

The agenda was:

1. Welcome, Attendance and Apologies
2. Approval of Agenda
3. Approval of Minutes
 - CB meeting November 2, 2022
 - CB meeting November 23, 2022
4. Communications by SPs
5. Communications by CB chair
6. SP search committee
7. Appointment of TB members
8. Status of MoU
9. Status of proposal
10. AOB

2. Approval of Agenda

The items on the agenda were approved without changes.

3. Approval of Minutes

The minutes of the CB meetings on 2.11.2022 and 22.11.2022 were approved without changes.

4. Communications by SPs (given by Oleg Denisov)

a) SPSC meeting on 22.11.22

A meeting took place with the SPSC referees on 18.11.22. The SPs gave a report on the status and the plans, which was well received.

In the SPSC draft minutes the start with the APX measurement is supported, NA64 und MuonE should make use of the beam during the changeover to the PRM setup. A PRM pilot run is supported so that AMBER will be the main user of the M2 beam in 2023.

b) FRC meeting on 28.11.22

A presentation similar to the one on 18.11. was given. In addition the status of the MoU was presented, also quoting that there is no answer from CERN to article 12.3.

The AMBER financial plan was presented by our resource manager. The money collected in 2022 amounts to 230 kCHF, the expected surplus in the end of 2022 is 170 kCHF.

Thanks to CERN EP and BE for their support.

The draft budget of 370 kCHF as discussed in the previous CB meeting was presented and a per capita contribution of 2500 CHF proposed, which would result in an approximate surplus of 120 kCHF at the end of 2023.

Outcome of FRC:

- The 2023 budget and 2500 CHF CF contribution were approved.
- The PT rotation can be paid by COMPASS.
- Some worry expressed:

We should make sure that AMBER will not run into 0 CHF in the middle of 2024.

- Invoices for all outstanding CF contribution should be send latest in December.
- AMBER status will go from Preparation to **Data Taking**.

c) Hardware transition COMPASS-AMBER

The draft of two documents were prepared by Helge Meinhard, one on the SACLAY equipment, one for equipment owned by groups in AMBER. A meeting to discuss the drafts will held on 9.12.22, the result will be circulated to the CB.

d) Manpower

- Stefano Levorato got an extension of three months and will stay till end of March.
- Maxim will get a scientific associate for 7 months.
- Vincent finished as DY physics coordinator, many thanks!!
- A dedicated meeting of the DY group will take place next week.

e) Signature of papers

The voting by the LHC experiments is still ongoing.

5. Communications by the CB chair

Dates of 2023 collaboration meetings

1. CM meeting 28.2.-2.3.23, CB 1.3.23 15:00 Geneva time
2. CM meeting 14.6-16.6.23, CB 15.6.23 15:00 Geneva time
3. CM meeting 6.9.-8.9.23, CB 7.9.23 15:00 Geneva time
4. CM meeting 6.12.-8.12.23, **updated after the meeting (see below)**

6. SP search committee

The members are Wolfgang Lorenzon, Paolo Zuccon (chair), Alexey Guskov, Bernhard Ketzer, Catarina Quintans, Martin Zemko. Catarina gave the communications.

A first meeting took place on 2.12.22 to clarify timeline, procedure, requirements: The search will be for two SPs with $\geq 50\%$ presence at CERN with an affiliation to an AMBER institute till June 2025 and no conflict of interest due to other obligations.

The aim is to select the candidates in the CB meeting on 1.3.23 and present candidates to the collaboration on 2.2.23. Afterwards the vote should take place.

The search committee asked the collaboration to propose candidates.

7. Appointment of TB members

After last CB meeting the proposed appointed members were contacted. Martin Zemko, Christophe Pires, Maxim Alekseev, Bernhard Ketzer, Vladimir Poliakov, Moritz Veit, Fulvio Tessarotto, Björn Seitz and Kun Liu accepted, three colleagues were not available. Robert Kurjata and Evgeny Maev were proposed as replacement. Both were appointed unanimously and accepted.

The first AMBER TB meeting will take place on 21.2.23.

8. Status of MoU

Andrea Bressan gave a short report on the status of the MoU.

The tables in the annexes are being updated, most inputs were received. There was some discussion on the beam offer from Groningen for up to 190 MeV protons.

The MoU should be circulated soon.

9. Status of proposal (given by Jan Friedrich)

a) Drafting of phase-2 proposal:

- regular meetings of proposal group on Wednesdays 16:00
- low participation, needs to gain momentum
- 6 main physics items:
 1. Kaon structure via the Drell-Yan process
 2. Gluon structure of pions and kaons via prompt photons
 3. Primakoff reactions to investigate kaon-photon coupling
 4. Diffractive production of vector mesons and di-jets
 5. Spectroscopy of mesons with strangeness
 6. Meson radii via electron scattering in inverse kinematics
- common physics goal for proposal? EHM?
- more physics discussion needed in AMBER

b) Proposal for AMBER physics workshop:

- proposed date: 4.-6.9.23 at CERN
(before the collaboration meeting on 7./8.9.23)
 - LOC being formed, name for workshop has to be found
- preparation and date of workshop unanimously supported

7. AOB

a) NUPECC long range plan:

AMBER contribution accepted, is now online on:
<https://indico.ph.tum.de/event/7050/contributions/>

b) Collaboration meetings:

There were some ideas circulated to have the COMPASS and AMBER CM meetings in the same week. Some discussion with COMPASS is ongoing.

Added after the meeting:

A try with a combined COMPASS/AMBER week will be made in the end of 2023 from 27.11. to 1.12.. The AMBER meeting will be the first. The AMBER CB meeting will be on Tue, 28.11. at 15:00 Geneva time.

End of meeting: 17:10