

**Minutes of the
AMBER Collaboration Board Meeting via ZOOM
on February 13, 2025, 15:00 Geneva time**

Attendance: C. Azevedo, B. Badelek, J. Berenguer, J. Bernauer, A. Bressan, K. Brinkmann, M. Chiosso, A. Cicuttin, S. Dasgupta, O. Denisov, N. Doshita, S. Groote, E. Kabuß, B. Ketzer, R. Kurjata, S. Levorato, J. Lichtenstadt, F. Maas, J. Matousek, T. Matsuda, J. Novy, D. Panzieri, S. Paul, C. Quintans, M. Stolarski, P. Zuccon, J. Friedrich, M. Veit, T. Pöschl, O. Kiselev

Guests: C. Argos, I. Konorov, L. Ordonez, M. Ostrick, M. Lupberger

Apologies: H. Fischer, A. Gerbershagen, B. Seitz, D. Neyret, G. Mallot

Absent: A. Guskov, D. Keller, K. Liu, N. Masi, H. Suzuki

Marcin Stolarski took over the seat for NCBJ over from Andrzej Sandacz, welcome to Marcin and thanks a lot to Andrzej!

Frank Maas takes the seat for HIM, welcome to Frank.

The agenda was:

1. Welcome, Attendance and Apologies
2. Approval of Agenda
3. Approval of Minutes
 - CB meeting December 3, 2024
4. Communications by SPs
5. Appointment of 2025 run coordinator
6. Preparation of 2025 run
7. AOB

2. Approval of Agenda

The items on the agenda were approved without changes.

3. Approval of Minutes

The minutes of the CB meeting on 3.12.2024 were approved without changes.

4. Communications by SPs (given by Jan Friedrich)

a) Pre-SPSC meeting on 8.2.25 with referees

- Status of PRM preparations and plans for 2025 and 2026 presented
- Many detailed questions about readiness and goals for 2025

b) Beam time request for 2025

- First 3 months parasitical running in parallel to MUonE data taking
- Four months of dedicated PRM pilot run

- Questions about event statistics and detector setup from referees

c) Feedback from SPSC referees

Proposed:

- MUonE as first user of M2 in 2025
- AMBER installation as much as possible during Oxygen run
- Priority for MuonE to finish their data taking for two more weeks
- Afterwards priority to AMBER to finish PRM test permitting interleaved running for both experiments

d) Informal feedback from SPSC

- SPSC is pleased about the progress of PRM preparations, but there are still several concerns.
- SPSC regards 2025 as test run. Priority should be given to completion and test of the equipment for the PRM measurement in 2026.
- Parallel/interleaved running of MUonE and AMBER after the Oxygen run with priority for MUonE for first two weeks.

e) Workforce in AMBER

The majority of groups has given detailed feedback, at different levels (mostly connected to the funding situation). The input still needs to be sorted and will be discussed within the coordination meetings with TC and AC.

f) Finances

With the closure for 2024 at 246 kCHF, we stayed in the projected range.
Thanks to Oleg for his engagement as AMBER resource coordinator.

5. Appointment of 2025 run coordinator

Bernhard Ketzer reported that Martin Hofmann, currently PhD student in Bonn, is a candidate for covering part of the 2024 run, provided his PhD thesis is submitted. A realistic estimate is that this would happen in summer. Thus Martin is available run coordinator starting from 1.9.25 till the end of the run.

The CB unanimously appointed Martin as run coordinator from September onwards and he accepted the appointment.

In the discussion it was clearly stated that we need also a run coordinator for the first part of the run starting in May or better mid of April. For this time also a technical person could do the run coordination. The SPs will approach all groups with request to find a candidate.

Jan Friedrich offered to take the run coordination from mid July till end of August, in case that this period cannot be covered by someone else.

6. Preparation of 2025 run

There were contributions from Moritz Veit, Stefano Levorato and Michael Lupberger.

Moritz gave a detailed report on the status of the spectrometer and the new equipment needed for the PRM measurement including the integration into the new FriDAQ (see slides on the indico page <https://indico.cern.ch/event/1508691/>).

The TB on 4.2.25 formulated as goal for 2025:

One full station of each type fully integrated into FriDAQ is the highest priority. The winter shutdown will relatively short (24.11.25-13.3.26), thus the PRM setup for 2026 has to be prepared as much as possible during 2025.

A separate contribution was given by Michael Lupberger covering GEM readout. Different solutions are being discussed, each with different drawbacks. The decision has to be taken asap.

Stefano Levorato presented a cost breakout for the ALPIDE detectors showing a summary of the necessary resources in terms of money, manpower and workshops. A considerable amount of the missing money has to come from AMBER groups.

Moritz also pointed out that the help of a technician is urgently needed for the preparation of the run starting asap. A request will be send to the group leaders.

He ended with the similar plea as during last CB meeting:

There are man power issues on many essential parts of the PRM project needed to have a successful test run in 2025 and a succesful 2026 PRM data taking!

Man power is needed now!

All AMBER collaborators are asked to switch their priority to the APX and PRM projects and contribute to a successful future of AMBER!

7.AOB

There will be an extra AMBER CB meeting on 27.2.25 15:00 Geneva time via ZOOM.

End of meeting: 18:30