

**Participants:**

Federico Antinori, Pietro Antonioli, Harald Appelshaeuser, Ralf Averbeck, Alberto Baldisseri, Anju Bhasin (Vidyo), Peter Braun-Munzinger, David Chinellato (Vidyo), David Evans, Martino Gagliardi, Taku Gunji, Boris Hippolyte, Alex Kluge, Marco van Leeuwen, Volker Lindenstruth, Constantinos Loizides, Vito Manzari, Silvia Masciocchi, Luciano Musa, Andreas Morsch, Tapan Nayak, Yvonne Pachmayer, Werner Riegler, Johanna Stachel, Adriana Telesca, Raphael Tieulent, Wladyslaw Trzaska, Pierre Vande Vyvre, Jeremy Wilkinson and Daicui Zhou.

Excused: Vladislav Manko, Massimo Masera, Stefano Piano.

**Approval of the Minutes:**

The minutes of the Management Board (MB) meeting held on 31 October 2019 are approved.

**Introduction: Federico Antinori**

- LHC Schedule: baseline schedule remains, a new schedule may evolve by the next Council meeting (9-13 December 2019).

**Matters related to the Collaboration Board: Silvia Masciocchi**

- Elected members of the MB: end of the mandate
  - The mandate of Anju Bhasin and Peter Braun-Munzinger as elected members of the MB continues until 31 December 2019.
  - However, the Constitution reads: “Four members of the Management Board shall be elected by the Collaboration Board for a term of three years, to begin at the end of the ALICE Week during which they were elected. The term shall end upon the timely election of a replacement.”
  - The Spokesperson has agreed to invite all four members (Anju, Peter and the two new elected members) for the December 2019 MB meeting.
- CB and operational boards:
  - Article III, Section 7 of The Constitution foresees: “The Spokesperson and Deputy Spokesperson(s), the Collaboration Board Chairperson and Deputy Collaboration Board Chairperson(s), shall be ex officio members of all Operational Boards”.
  - The CB Chair will contact the Coordinators of Operational Boards to implement this.

**Report from Technical Coordination: Werner Riegler**

- LHCC: The LHCC week took place from 18–21 November. The ALICE review took place on Tuesday 19 November. The review was very positive for ALICE, the minutes will be available within the next few weeks.

### **FOCAL Status and to-do for the Letter of Intent: Constantin Loizides**

- Plans for the FoCal were presented to the LHCC in November. The suggestion of the LHCC was to work out a clear comparison to the capabilities of the LHCb detector.
- Integration:
  - ongoing work to integrate beamline with all instrumentation, location and available space according to Run-4 conditions.
  - performance using full detector simulation looks close to what is in the Letter of Intent.
  - continue to work on further improvements in discussion with FIT and possible modification of beam pipe.
- Proof of concept R&D and test beam programs are mostly done. Main focus is on component integration, readout, and cooling.
- Discussion with groups and Funding Agencies ongoing:
  - Encouraging reaction from DOE to submit R&D funding proposal for FY2020 in order to study the remaining technical aspects of the instrumentation.
  - Submission of large (US\$ 5M) proposal in Japan.
  - Increased interest in several ALICE institutes.
- Way forward:
  - internal review on week 13/1 (including external referees)
  - final presentation at Physics Forum on 22/1
  - discussion at Management Board on 23/1
  - if green light → propose endorsement by CB (by email).
  - if endorsed → submit to LHCC in February 2020.

### **Physics Coordination report: Marco van Leeuwen**

- Upcoming PWG convener rotations (to be proposed for endorsement by the CB)
  - PWG-LF: Livio Bianchi to take over from Stefania Bufalino from 1 January 2020
  - PWG-MM: Peter Christiansen to take over from Paolo Bartalini from 1 December 2019
  - Extension of mandate until April 2020 for:
    - PWG-JE: Tatsuya Chujo.
    - PWG-GA: Dmitri Peresunko.
- New PAG coordinators:
  - Low mass di-leptons (PWG-DQ): Elisa Meninno to replace Raphaelle Bailhache
 Several calls for input open for PWG-CF, LF, and HF: please provide input/feedback
- Quark Matter 2019

- 57 New preliminary results reviewed and approved.
- 18 papers submitted to the preprint server before QM.
- Large presence from ALICE collaboration and large impact at the Conference.

The MB thanks to all who contributed to QM2019 efforts: Analysers, Speakers, ARC members, PAG coordinators, PWG conveners, IRC members, EB, CC

- Preliminary-to-paper statistics: Statistics on the publication status of preliminary results from conferences in 2017 and 2018 have been collected: about 50% of the results from QM2017 have appeared in a submitted or published paper; 25% have a draft in preparation (paper proposal approved); for 2018 the published/submitted fraction is 20-25%, while about 30% have completed a paper proposal.
- Luminosity collected and expected (pp runs):
  - Collected in Run-2:
    - Muon arm: 36 pb<sup>-1</sup>
    - High-multiplicity (HM) triggers: 13 pb<sup>-1</sup>
    - Min bias: 0.098 pb<sup>-1</sup>
  - In 2021: expect 36-90 pb<sup>-1</sup> at 1 MHz rate: depends on the run duration, LHC availability and ALICE efficiency after commissioning.
  - Other years: could aim for ~200 pb<sup>-1</sup>: increase of 15-20 times in HM triggers. We need to run 4-5 months per year to achieve this.
- Run 3 pp program: collecting rate estimates. The physics program is being put together in a document to be circulated within the collaboration. Possible physics topics are presented and discussed.
- ALICE Review paper, getting organized:
  - First meeting: 22/24 January 2020 (Wed/Fri of mini week). This would be the start of the process with topical presentations suggested by collaborators.
  - Set up topical working groups.
  - Discussions in the working groups + one or two general meetings. In addition, one or two close-out meetings could be held to discuss main/critical items.
 Action item: collect input and put together the writing team.
- Grid usage: Large fraction of the grid resources are used for analysis. No slow-down has been observed after the QM rush! Need to streamline analysis code and resource usage for Run 3.

### **AOB**

Vito Manzari reported that the ITS Institutes Board has appointed Antonello Di Mauro (CERN) as ITS Deputy Project Leader for the term of his mandate as Project Leader and Felix Reidt (CERN) as ITS Technical Coordinator for a three years term.

**ACTION ITEM:** None.

**Next MB:** Thursday 19 December 2019 at 14:30

Link: <https://indico.cern.ch/event/751242/>