

Minutes of the Executive Board Meeting on 25.9.2023 via ZOOM

Present:

1. Anosov V. (JINR)
2. Barnyakov A. (BINP) - invited
3. Denisenko I. (JINR)
4. Guskov A. (JINR)
5. Kim V. (PNPI)
6. Korzenev A. (JINR)
7. Kulikov A. (JINR)
8. Ladygin V. (JINR)
9. Logashenko I. (BINP) - invited
10. Ratnikov F. (HSE) - invited
11. Saleev V. (Samara Univ.) - invited
12. Shipilova A. (Samara Univ.) - invited
13. Tomasi-Gustafsson E. (CEA Saclay)
14. Tumasyan A. (AANL)
15. Zhemchugov A. (JINR)

Meeting duration: 11:00-12:10 of Moscow time.

Agenda:

- 1) Participation of the Budker Institute of Nuclear Physics (Novosibirsk) in SPD (A. Barnyakov)
- 2) Participation of the Higher School of Economics (Moscow) in SPD (F. Ratnikov)
- 3) Preparation to the Collaboration meeting in Samara (V. Saleev)
- 4) AOB

Short summary:

A. Barnyakov introduced the group from the Budker Institute of Nuclear Physics (Novosibirsk, Russia), which expressed its intention to join the SPD collaboration. The group has experience in designing and construction large superconductive magnets (superconductive solenoid for PANDA) and aerogel-based detectors. The group is already participating in the designing of the SPD solenoid and plans to contribute to the development of the Focusing Aerogel RICH detector (FARICH) for the second phase of the experiment. The EB members expressed their support for the new group. The final decision on admission to the SPD collaboration should be taken at the next CB meeting.

F. Ratnikov introduced the group from the Higher School of Economics (Moscow, Russia) expressed its intention to join the SPD collaboration. The group is focusing on using machine-learning and data analysis methods to solve issues in fundamental sciences such as particle physics and astrophysics. It has experience of participation in the LHCb and SHiP experiments at CERN and consists of 3 senior scientists, 3

postdocs and 4 PhD students. The HSE group intends to apply expertise to FARICH measurements, share general expertise on approaches and pitfalls when solving HEP problems with ML and participate in the SPD physics program. The EB members expressed their support for the new group. The final decision on admission to the SPD collaboration should be taken at the next CB meeting.

V. Saleev and A. Shipilova briefed the Board on the preparations for the Collaboration Meeting in Samara.