

Minutes of the Executive Board Meeting on 28.06.2021 via ZOOM

Present:

1. Anosov V. (JINR)
2. Baldin A. (JINR)
3. Guskov A. (JINR)
4. Korzenev A. (JINR)
5. Kulikov A. (JINR)
6. Ladygin V. (JINR)
7. Tomasi-Gustafsson E. (CEA Saclay)
8. Zhemchugov A. (JINR)

Meeting duration: 10:00-11:30 of Moscow time.

Agenda:

- 1) Results of the SPD collaboration meeting;
- 2) Interaction with the SPD Detector Advisory Committee;
- 3) TDR preparation;
- 4) AoB.

Short summary:

The Executive Board is generally satisfied with the outcome of the June SPD Collaboration Meeting. Nevertheless, some lack of communication between different groups is noted. The opinion was also expressed on the need for concluding remarks. The next Collaboration Meeting is preliminarily scheduled to the beginning of November that was found to be optimal from the point of the Technical Project preparation. Two remote seminars: at PANDA physics group meeting and at PNPI were the consequences of the Collaboration Meeting. Egle is appointed to contact PANDA people to explore opportunities for further cooperation.

10 of 12 questions addressed by the Detector Advisory Committee on June, 1 to the SPD collaboration were answered on June, 13. Two last questions: concerning the impact of the magnetic system on the performance of the ECAL and concerning the true signal-to-background ratio for D-meson channel continue to be discussed within the collaboration. Meanwhile, the DAC report on the SPD CDR at the JINR PAR for Particle Physics session (June, 21) is postponed to the next session (Jan 2022).

Already in the preparation of the technical project, we have to provide some stages of its implementation like a minimal configuration, advanced configuration, full setup. This can be extremely important if in 2024-25 we receive some of the necessary funding. Possible configurations were presented by A. Guskov. Nevertheless, it is too raw even for an internal discussion and should be elaborated better. In case of running at the first stage without the Vertex Detector, we should additionally put some

tracking detectors in the central part of the setup in order to keep reasonable momentum resolution. The possibility to use Micromegas detectors from Saclay or/ and JINR will be investigated. A. Korzenev also informed the EB about the situation with the SPD magnet. The circumstances, that have been discovered, practically exclude the option to have the superconductive coils inside the ECAL. The possibility to have the magnetic system outside the calorimeter has to be studied as soon as possible.

In AoB E. Tomasi-Gustafsson informed the Executive Board about misleading inconsistencies in the adopted version of the SPD Constitution concerning the nomination of the Technical Coordinator and the SP election procedure. They will be discussed at the next Collaboration Board Meeting.