

## Welcome to NICA days 2019 and IVth MPD Collaboration Meeting in Warsaw



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# ALICE technologies proposed for the VD of NA61/SHINE in connection to the future MPD Si tracker

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In this report I would like to show, first of all, briefly, the main challenges of the Inner Tracking System (ITS) design for ALICE that were successfully met, which is proved by 10 years of operation at the LHC. Secondly, the conceptual current design of the Vertex Detector for open charm at the NA61/SHINE will be discussed for two options of Small and Large Area Detector systems (SAVD and LAVD). Status of SAVD and LAVD are to be presented. This includes both the implementation of record breaking carbon fiber technologies and MIMOSA sensors performance of SAVD and the expected future ALPIDE applications for LAVD. And, finally, some ideas on possible synergies with the future ITS for MPD are also discussed.

**Primary author:** FEOFILOV, Grigori (St Petersburg State University (RU))

**Presenter:** FEOFILOV, Grigori (St Petersburg State University (RU))

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