

The SPD project for spin physics studies at the NICA accelerator complex

Wednesday, 12 September 2018 17:00 (20 minutes)

We review the status of the Spin Physics Detector (SPD) project at the NICA accelerator complex now in construction at the JINR, Dubna. After a short introduction to the beams of polarized particles expected to be available at the NICA collider and their characteristics, we give some account on physics tasks that can be performed with colliding polarized protons and deuterons. Based on that, a concept for general purpose detector to study the interactions of these particles in collider mode is developed. Anticipated detector design and status of the Conceptual Design Report being prepared is given. A call for gathering of an international collaboration for construction of the SPD and performing experiments with it will be announced.

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Session Classification: Future Facilities and Experiments

Track Classification: Future Facilities and Experiments