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Managing of distributed MC production for the SPD experiment

The SPD (Spin Physics Detector) facility is currently under construction at the NICA accelerator complex at JINR. In addition to the physical installation itself, software is also being developed. There is already a constant need to obtain sufficiently large amounts of data to simulate physical processes in a future experiment. To facilitate their implementation, a set of systems and services is being developed that ensures storage and processing of experimental data both on JINR resources and on the resources of institutes participating in the SPD collaboration, and, in general, form a distributed computing environment for the experiment. The distributed computing environment is actively developing: new computing centers are regularly connected, and full-fledged productions based on requests from groups of physicists have already been launched. Over the past nine months, the system has simulated several billions of physical events and generated more than 500 TB of data. This report provides an overview of the latest developments in SPD offline software.

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