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SPD data management

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Active preparations to launch the SPD experiment at the NICA collider are underway, but research in the field of spin physics has already begun. Researchers are currently working with large amounts of data obtained during the simulation and reconstruction of the studied physical processes. To ensure the reliable storage, distribution and accessibility of this data, a dedicated infrastructure has been deployed. This report describes the current status of the SPD data management: how they are processed, stored and distributed among different data centers. It discusses current processing, the volume of data produced, and storage strategies used. The tools and solutions employed for the data management will also be examined. Through this report, listeners will gain insight into the progress of work on data management for the SPD experiment, as well as any challenges encountered in its processing and long-term storage.

Summary

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