

11th International Conference "Distributed Computing and Grid Technologies in Science and Education" (GRID'2025)



Contribution ID: 471

Type: **Sectional talk**

Sampo: software platform for SPD data processing

Tuesday 8 July 2025 15:00 (15 minutes)

The Spin Physics Detector is a universal detector to be installed in the second interaction point of the NICA collider to study the spin structure of the proton and deuteron. Each large HEP experiment needs its own applied software for handling generation, simulation, reconstruction and physics analysis tasks. Due to the commonality of such tasks among different experiments dedicated libraries and frameworks were developed. Gaudi is one of such physics frameworks which proved its reliability and convenience by being used by many collaborations. Sampo is a Gaudi-based program platform which is now under development to serve the needs of SPD collaboration. Sampo is tended to replace the current SPD applied software SpdRoot.

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Session Classification: Computing for MegaScience Projects