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Features of HPC resources for HEP

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In the wake of the success of the integration of the Titan supercomputer into the ATLAS computing infrastructure, the number of such projects began to increase. However, it turned out that it is extremely difficult to ensure efficient data processing on such types of resources without deep modernization of both applied software and middleware. This report discusses in detail the problems and ways to solve them using such resources in the field of HEP experiments with their advanced and highly automated data processing systems.

Summary

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