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Consolidation and Performance measurements of ROOT Multiproc Core [1]

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Author(s):
A.C. Chelba
ROOT is a C++ framework for data processing, storage and analysis born in the heart of high-energy physics research, at CERN. It is widely adopted by HEP and other scientific communities. A cornerstone of the software stacks of all LHC experiments, it is deployed for all stages of their data processing: from filtering of collision events to final analysis before publications. ROOT features three modules allowing to process tasks in parallel: PROOF, PROOF-Lite and MultiProc. The release of this project is the consolodation of Multiproc module and the investigation of the runtime performance of different parallel processing technologies.
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