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Parallel computing with BEAN - BES-III Analysis Framework

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BEAN is a lightweight ROOT-based analysis-only framework designed for BES-III experiment. A number of approaches to parallel computing are used in BEAN: batch systems, ROOT PROOF and Apache Hadoop. The latter is particularly interesting for particle physics applications being a new de facto standard in parallel computing. We present here the implementation details of PROOF and Hadoop support in BEAN, the relevant user experience as well as performance comparison.

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