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Parallel ALICE offline reconstruction with PROOF

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The fast feedback from the offline reconstruction is essential for understanding the ALICE detector and the reconstruction software, especially for the first LHC physics studies. For this purpose, ALICE offline reconstruction based on the Parallel ROOT Facility (PROOF) has been designed and developed. The architecture and implementation are briefly described. Particular attention is given to the raw and conditions data access as well as the handling of the resulting event summary data. The achieved performance is discussed in details.

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