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[Home](#) > Report on parallelization of MLfit benchmark using OpenMP and MPI

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This report describes the development of an MPI parallelization support on top of the existing OpenMP parallel version of the MLfit benchmark for a hybrid evaluation on multicore and distributed computational hosts. MLfit benchmark is used at CERN openlab as a representative of data analysis applications used in the high energy physics community. The report includes the results of scalability runs obtained with several configurations and systems.

Technical document file:

 [MPI - SandyBridge-EP Microserver 2012.pdf](#) ^[2]

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