

# Evaluating Jumbo frames performance across LHC experiments

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This work presents an evaluation of JUMBO frame tests conducted at CERN to assess their impact on data transfer performance across different physics workflows. Preliminary internal tests were carried out to analyze potential benefits and challenges, followed by collaborative testing involving the ATLAS, CMS, and LHCb experiments. The goal was to measure the advantages of JUMBO frames in terms of efficiency and throughput while identifying and resolving any issues arising from their deployment. The study provides insights into the feasibility of JUMBO frames for large-scale scientific data transfers, aiming to optimize network performance for high-energy physics experiments.

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