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EOS for Physics at CERN: Operational Insights, Achievements, and Future Directions

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This work presents an overview of the EOS operations at CERN, focusing on its role in supporting physics data processing and storage. EOS is a high-performance distributed storage system designed to handle the vast volumes of scientific data generated by CERN experiments. This study examines key performance metrics, recent achievements, and strategic objectives for the current year, emphasizing improvements in efficiency, reliability, and scalability. Special attention is given to the impact of EOS on physics workflows, ensuring seamless data access and analysis. By evaluating past accomplishments and future goals, this work highlights the continuous evolution of EOS to meet the growing demands of physics research at CERN.

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