

RNTuple: ROOT's Event Data I/O for HL-LHC

Friday 31 March 2023 09:30 (30 minutes)

This talk provides an introduction to RNTuple, ROOT's designated TTree successor. RNTuple is active R&D, available in the ROOT::Experimental namespace. Benchmarks using common analysis tasks and experiment AODs suggest a 3x - 5x better single-core performance and 10%-20 smaller files compared to TTree. The talk will specifically focus on RNTuple's I/O scheduling and optimization opportunities for remote reading with XRootD.

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Session Classification: XRootd presentations