

CERN Perspective on Tape Technology Evolution

Thursday 27 March 2025 09:15 (30 minutes)

With LHC now in the middle of Run 3, we will present our current tape hardware setup and present our experience with the different components of the technology.

We will start with a reflection on the evolution of our capacity planning vs. increasing storage requirements of the experiments.

We will then report on performance characteristics of both LTO9 and TS1170 tape drives: RAO, environmental aspects and how the technology evolution is impacting our operations.

Lastly, we will share our thoughts about rack size scale-out tape libraries and consideration to replace FC with SAS.

Author: BAHYL, Vladimir (CERN)

Presenter: BAHYL, Vladimir (CERN)

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