

Tape challenge '22: CERN T0 plans

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T0 CERN T0 disk: EOS

- **EOS T0 disk is ready**
 - as demonstrated in June 2021 and October 2021 data challenges
 - new capacity for Run3 planned delivery on week 9
 - following up with all experiments for dedicated commissioning tests
 - plan to schedule another combined data-taking challenge (P* -> EOS -> CTA)

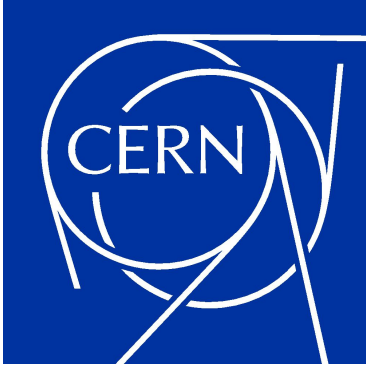
T0 CERN T0 tape: CERN Tape Archive (CTA)

- **CTA is ready**

- EOSCTA SSD tape buffer bandwidth was already demonstrated in June 2021
 - at the time: 10GB/s of round-robin allocated write bandwidth to tape
 - now: ready to reproduce similar rates with tape for all experiments
- specific datatest endpoints for the data challenge (same as 06/21):
 - for $\{\text{experiment}\}$ in alice atlas cms lhcb:
root://eoscta $\{\text{experiment}\}$.cern.ch//eos/cta $\{\text{experiment}\}$ /archivetest/data_test/

T0 CERN T0 tape: CERN Tape Archive (CTA)

- **Technical details needed for planning**
 - **Please delete all previously written data in this endpoint by end of Feb 22**
 - **No additional production activity during tape data challenge on T0 tapes**
 - **any production traffic will be deduced from experiment challenge tape BW pledge**
- The following information is needed:
 - Expected sustained write rate to tape, avg file size
 - Expected duty cycle: duration of write sessions, time between write sessions
 - Total written volume (deduced from previous numbers)
 - Expected tape read rates



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