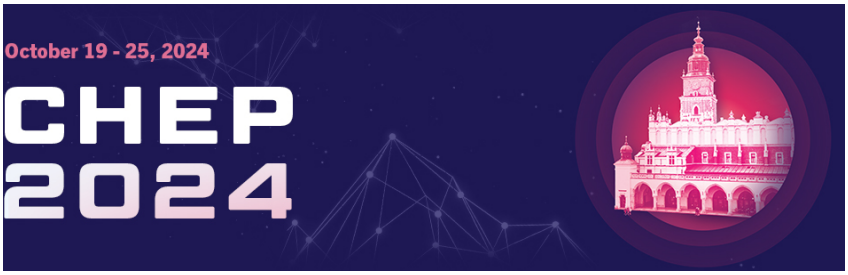

Contribution ID: **317** Type: **Talk**

Carbon costs of storage: a UK perspective.

Thursday 24 October 2024 17:45 (18 minutes)

In order to achieve the higher performance year on year required by the 2030s for future LHC upgrades at a sustainable carbon cost
to the environment, it is essential to start with accurate measurements of the state of play. Whilst there have been a number of studies
of the carbon cost of compute for WLCG workloads published, rather less has been said on the topic of storage, both nearline and archival.
We present a study of the embedded and ongoing carbon costs of storage in multiple configurations, from Tape farms through to SSDs, within the UK Tier-1 and Tier-2s and discuss how this directs future policy.

Co-authors: PACKER, Alison (STFC - Science & Technology Facilities Council (GB)); PACKER, Alison; SKIPSEY, Samuel Cadellin

Presenter: SKIPSEY, Samuel Cadellin

Session Classification: Parallel (Track 1)

Track Classification: Track 1 - Data and Metadata Organization, Management and Access