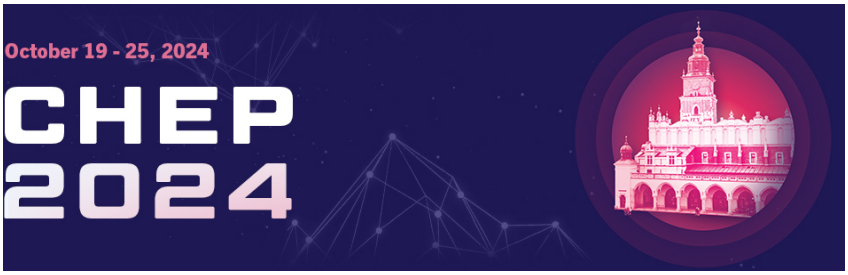

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Object storage model for CMS data

Wednesday 23 October 2024 16:00 (15 minutes)

In CMS, data access and management is organized around the data-tier model: a static definition of what subset of event information is available in a particular dataset, realized as a collection of files. In previous works, we have proposed a novel data management model that obviates the need for data tiers by exploding files into individual event data product objects. We present here a study of the fraction of event data products per data-tier actively read by CMS users as collected by CRAB3, to estimate the storage savings CMS could realize by adopting such a model.

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