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Exploring storage technologies for HPSS disk caches

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At KIT we operate HPSS as a tape system for the GridKa WLCG Tier-1 and for the Baden-Württemberg Data Archive service. Performance limitations of the HPSS disk cache systems led us to explore new technology options for the disk cache, based on classic storage systems with SSDs, storage servers with local NVMe devices, and also options based on IBM Storage Scale. We will present details on the different possible solutions, including benchmarks.

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