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ALICE Grid Computing at the GridKa Tier-1 Center

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The GridKa center at the Karlsruhe Institute for Technology is the largest ALICE Tier-1 center. It hosts 40,000 HEPSEPC'06, approximately 2.75 PB of disk space and 5.25 PB of tape space for for A Large Ion Collider Experiment (ALICE), at the CERN LHC. These resources are accessed via the AliEn middleware. The storage is divided into two instances, both using the storage middleware xrootd.

We will focus on the set-up of these resources and on the topic of monitoring. The latter serves a vast number of purposes, ranging from efficiency statistics for process and procedure optimization to alerts for on-call duty engineers.

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