Contribution ID: **57** Type: **not specified**

Experince with XCache on HPC in Germany (CMS)

Thursday 12 September 2024 11:50 (30 minutes)

With this contribution, I want to present our first production deployment of XCache for workflow and efficiency optimizations of CMS jobs at our local HPC cluster at KIT, HoreKa. The project is part of the preparations for the future German HEP computing strategy focusing on HPC contributions.
Our fully containerized setup is deployed on a login node of the cluster and uses a shared filesystem for the cache (GPFS with RDMA/IPoIB) to optimize the data access for the cluster.
The talk will include a description of our setup, the challenges and limitations with XRootD on HPC we encountered, and the experiences we made.

Author: HOFSAESS, Robin (KIT - Karlsruhe Institute of Technology (DE))

Presenter: HOFSAESS, Robin (KIT - Karlsruhe Institute of Technology (DE))

Session Classification: XRootD Presentations