„NF FIDIUM"
Ideas for possible contribution

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Ideas

- Implement energy monitoring in job accounting (-> AUDITOR)
  - already used in HPC environments, understanding energy usage by users/jobs;
    difficulty in HEP: how to handle multiple jobs / node
  - can be used to raise awareness of computing cost/environmental impact
    (also later is questionable with upcoming EnEfG - 100% renewable energy by 2027...)
  - allows optimized scheduling based on predicted energy prices

- Optimization of file access from HPC/NHR to storage resources
  - further performance improvements of FAIR TeraLink to NHR-SW/CSC;
    automatize AAI workflows
  - study caching vs. direct long-distance access vs. ad-hoc filesystem on HPC

- Expand integration of HPC/NHR resources
  - focus on heterogenous jobs, increased usage of GPUs for certain tasks (e.g. ALICE)

Further interests: interactive analysis platform, strong connection to ALICE Analysis Facility@GSI