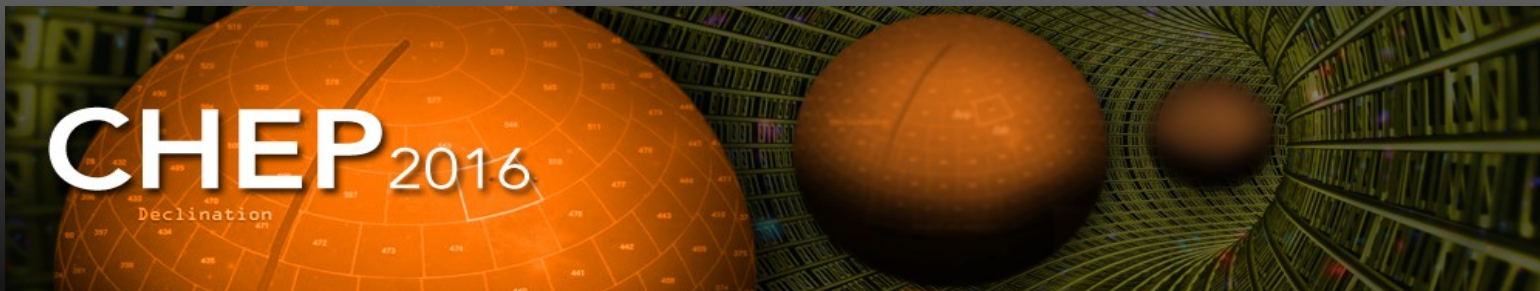# CephFS: a new generation storage platform for Australian High Energy Physics

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- We will present a Ceph / CephFS use case at the Center of Excellence for Particle Physics at the TeraScale (CoEPP).

- We will go through:
  - > The motivation
  - > The technology
  - > The implementation and the solution architecture
  - > The configuration and tunning
  - > Some performance metrics
  - > Some tweeks and best practices advises

- We will also present how CEPHFS is used as the POSIX backed for a SRM and XROOTD implementation, integrated in ATLAS Data Management operations, and used by HEP researchers for XROOTD or/and POSIX-like access to ATLAS Tier-2 user areas.