

# The deployment of a large scale object store at the RAL Tier I

- RAL has been working on a replacement to Castor for disk storage for the last 2 years.
- We have built a Ceph cluster providing 10PB of usable storage using 8+3 Erasure Coding:
  - We will be using it to provide pledged resources to the LHC VOs from April 2017 onwards.
- To provide a service for the LHC VOs we have developed a gridFTP plugin for Ceph and have utilized the XrootD plugin developed by CERN.
- We are providing S3 and Swift API access to our storage for all users.

