Contribution ID: **62** Type: **Short Talk**

Experience with Rucio in the wider HEP community

Thursday, 20 May 2021 15:26 (13 minutes)

Managing the data of scientific projects is an increasingly complicated challenge, which was usually met by developing experiment-specific solutions. However, the ever-growing data rates and requirements of even small experiments make this approach very difficult, if not prohibitive. In recent years the scientific data management system Rucio has evolved into a successful open-source project, now being used by many scientific communities and organisations. Rucio is incorporating the contributions and expertise of many scientific projects, offering common features useful to a diverse research community. This article describes the recent experiences in operating Rucio as well as contributions to the project by ATLAS, Belle II, CMS, ESCAPE, IGWN, LDMX, Folding@Home, and the UK's Science and Technology Facilities Council (STFC).

Primary authors: BARISITS, Martin (CERN); BEERMANN, Thomas (Bergische Universitaet Wuppertal (DE)); CAMERON, David (University of Oslo (NO)); CLARK, James Alexander (California Institute of Technology); Dr DI MARIA, Riccardo (CERN); Mr FRONZE', Gabriele Gaetano (INFN Torino (IT) and LIGO-Virgo-Kagra Collaboration (US/IT/JP)); JOHNSON, Ian (STFC Rutherford Appleton Laboratory); LASSNIG, Mario (CERN); SERFON, Cedric (Brookhaven National Laboratory (US)); VAANDERING, Eric (Fermi National Accelerator Lab. (US))

Presenter: BARISITS, Martin (CERN)

Session Classification: Distributed Computing

Track Classification: Distributed Computing, Data Management and Facilities