Contribution ID: **66** Type: **not specified**

EOS as a online DAQ buffer for ProtoDUNE Dual Phase experiment

Monday 4 February 2019 16:40 (20 minutes)

The ProtoDUNE-Dual Phase experiment is based at CERN and is carried out with the support of the Neutrino Platform. The two ProtoDUNE experiments are the prototypes of the DUNE (Deep Underground Neutrino Experiment) detector, which has just begun construction in the United States.
The ProtoDUNE-DP detector will generate a data flow of up to 130Gb/s, uncompressed, to which a compression factor estimated of 10 should be applied. The challenges to be met include both the storage and online processing of this data in a local buffer before the data is exported to remote storage systems.
In this presentation I will present the tests carried out on the EOS storage system, the choices and the infrastructure put in place as part of this experiment.

Primary author: PUGNERE, Denis (Centre National de la Recherche Scientifique (FR))

Presenter: PUGNERE, Denis (Centre National de la Recherche Scientifique (FR))

Session Classification: EOS Ecosystems