Contribution ID : **797** Type : **not specified**

ALICE PHOS and CPV online and offline data processing in the LHC Run3

The ALICE online and offline data processing framework O^2 aims to handle the huge data rate to be expected in ALICE during LHC Run3 and Run4 which is estimated to be greater than 1TB/sec in 50 kHz Pb-Pb collisions. The ALICE photon spectrometer (PHOS) and charged particle veto detector (CPV) will be upgraded to meet these extensive requirements. The new software for data readout, reconstruction, calibration, quality control and simulation for PHOS and CPV are presently developed as a part of the O^2 project. Its concept, implementation status and expected performance will be discussed in this talk.

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Session Classification : Facilities and Advanced Detector Technologies

Track Classification : Facilities and advanced detector technologies