

Research use of event-level open data - how to get there

Wednesday 26 February 2025 09:00 (20 minutes)

As agreed in the CERN Open Data policy, all LHC experiments are committed to releasing research-quality open data. CMS has pioneered this effort and now celebrates a decade of regular data releases, with all LHC Run 1 data available in the public domain and ongoing releases of Run 2 data. This talk will provide an opportunity for the audience to reflect on what makes event-level open data reusable for the scientific community and the main challenges involved.

In some years, LHC will enter to the High Luminosity phase, with increasing data volumes and potential resource challenges for open data initiatives. The importance of the community support to the open science activities is crucial. A common understanding that these open data are the scientific heritage of the LHC, and the only available collision data for decades to come is essential for securing the necessary resources beyond Run 2.

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Session Classification: Open Data and experiment(-related) contributions