



Contribution ID: 107

Type: **Talk**

## The ROOT Project at the end of Run 3 and towards HL-LHC

*Thursday 24 October 2024 10:00 (30 minutes)*

In this contribution, we'll review the status of the ROOT project towards the end of LHC Run 3. We'll review its structure, available effort and management strategy, allowing to push innovation while guaranteeing long term support. In particular, we'll describe how ROOT became a veritable community effort attracting contributions not only from the ROOT team, but from collaborators at labs, universities and the private sector thanks to its open source philosophy. We'll review the main features of the 2025 data taking release 6.32 as well as the forthcoming development release. We'll also discuss the evolution of ROOT towards the HL-LHC era, in its 7th release cycle.

**Primary author:** PIPARO, Danilo (CERN)

**Presenter:** PIPARO, Danilo (CERN)

**Session Classification:** Plenary session

**Track Classification:** Plenary