

Exploring High-Energy Physics at the LHC: Recent Results and Future Prospects from ATLAS and CMS

Friday 14 April 2023 09:00 (35 minutes)

The Large Hadron Collider (LHC) at CERN has enabled us to explore the frontiers of particle physics and understand the fundamental nature of the universe. In this talk, I will present a comprehensive overview of high pT physics analyses conducted in Run 2 of the LHC by both the ATLAS and CMS experiments. These analyses cover a broad range of topics, including measurements of the Higgs boson, searches for new physics beyond the Standard Model, and investigations into the properties of known particles.

In addition to presenting recent results, I will also provide a future outlook on High Energy Collider Physics, including the prospects for the High Luminosity LHC and future collider facilities.

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