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Hadron Colliders

Thursday 26 June 2025 13:45 (1 hour)

The talk will provide an overview of the hadron colliders built to date and the design and operational challenges that each of these machines has faced.

Many of these are inherent to the ongoing effort to optimise the instantaneous and integrated luminosity of the machines, which inevitably leads to many technological challenges that must be met and overcome. We will summarise how these challenges have been successfully met in the past and present machines and outline the role they could play in ambitious future accelerator projects such as the HL-LHC upgrade and the FCC project.

Presenter: ZERLAUTH, Markus (CERN)