

Physics at FCC

Thursday 26 October 2023 17:15 (25 minutes)

The Future Circular Collider (FCC) is CERN's flagship proposal for a post-LHC accelerator facility. Similarly to the LEP/LHC sequence, it foresees the sequence of an e^+e^- collider (optimized for precision measurements of Higgs, EW and top quark properties), and a successive 100 TeV pp collider, both hosted in a new ~ 100 km tunnel. A process is ongoing to assess its feasibility (from the technological, technical, financial and political perspectives), and to fully explore its overall physics potential. This talk discusses the science motivations supporting the need for a future generation of high-energy colliders and outlines the physics opportunities offered by the FCC.

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