

Detector requirements for a 100-TeV collider

Friday, February 19, 2016 9:00 AM (45 minutes)

A 100 TeV hadron collider is the core aspect of the Future Circular Collider (FCC) study, an integral conceptual design study for post-LHC particle accelerator options in a global context. The study is exploring the potential of hadron and lepton circular colliders, performing an in-depth analysis of infrastructure and operation concepts and considering the technology research and development programs that would be required to build a future circular collider. This talk will give an overview of the FCC accelerator studies and present the environment for experiments and detectors at the 100 TeV hadron collider. Detector concepts and requirements are discussed in some detail.

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