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# The future circular collider in Europe

*Monday 11 August 2025 11:00 (30 minutes)*

The proposed Future Circular Collider (FCC) integrated programme consists of two stages: An electron–positron collider serving as a highest-luminosity Higgs-boson, electroweak and top-quark factory, followed by a proton–proton collider with a collision energy around 100 TeV. In 2021, the CERN Council initiated the FCC Feasibility Study. This study covered, inter alia, physics objectives and potential, geology, civil engineering, technical infrastructure, territorial implementation, environmental aspects, R&D needs for the accelerators and detectors, socio-economic benefits, and cost. The Feasibility Study was completed on 31 March 2025. The subsequent European Strategy Symposium has singled out the FCC as the by-far preferred future collider option for CERN. I will present a few study highlights, the status, and the next steps.

## Please consider my poster for contributed oral presentation

No

## Would you like to submit this poster in student poster session on Sunday (August 10th)

No

## Footnotes

## Funding Agency

## I have read and accept the Privacy Policy Statement

Yes

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