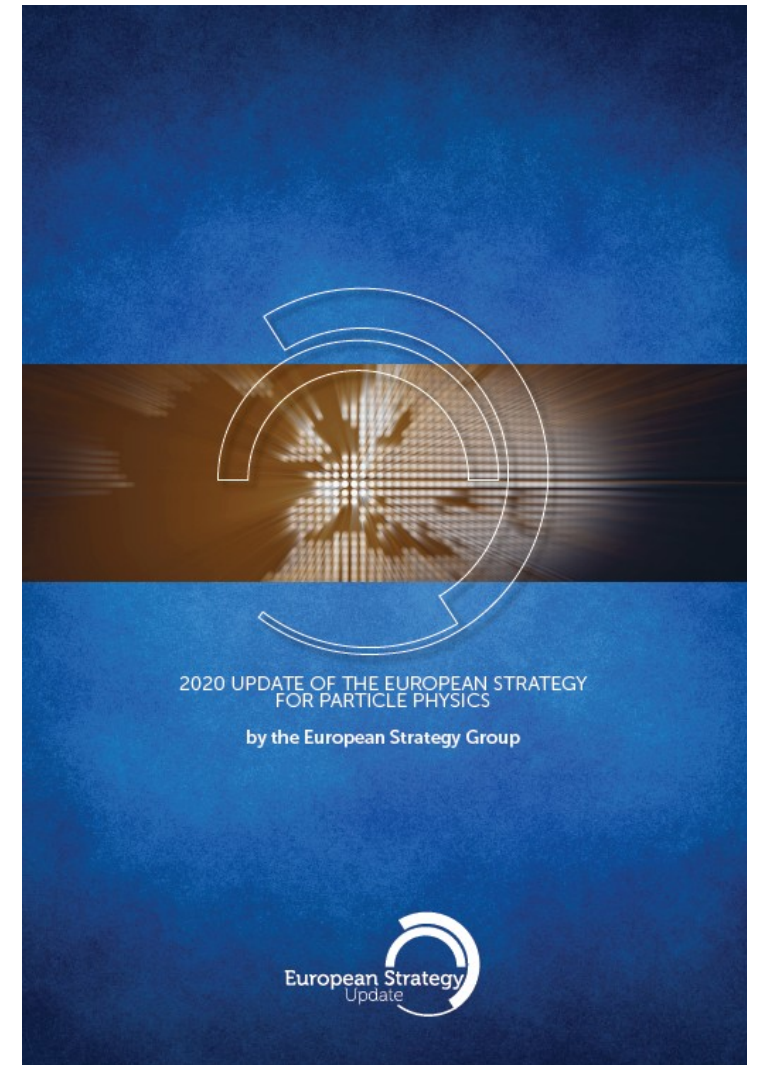


Future Circular Collider (FCC): Feasibility Study

European Strategy for Particle Physics:

- An *electron-positron Higgs factory* is the *highest-priority next collider*. For the longer term, the European particle physics community has the *ambition to operate a proton-proton collider at the highest achievable energy*.
- “Europe, together with its international partners, should investigate the technical and financial feasibility of a future hadron collider at CERN with a centre-of-mass energy of at least 100 TeV and with an electron-positron Higgs and electroweak factory as a possible first stage.
- Such a feasibility study of the colliders and related infrastructure should be established as a *global endeavour* and be completed on the timescale of the *next Strategy update*.”

CERN has launched the FCC feasibility study to address these recommendations



Preparing CERN's future

Driven by the **2020 Update of the European Strategy for Particle Physics**

- Technical and financial feasibility study of a Future Circular Collider (report for end 2025)
- Accelerator R&D to develop technologies for FCC and for alternative options
- Detector and computing R&D
- Maintain and expand a compelling scientific diversity programme
- Continue to support other projects around the world

