

Welcome

CERN Plans and Perspectives for the Future

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to  **Accelerating Science and Innovation**



Future of Particle Physics

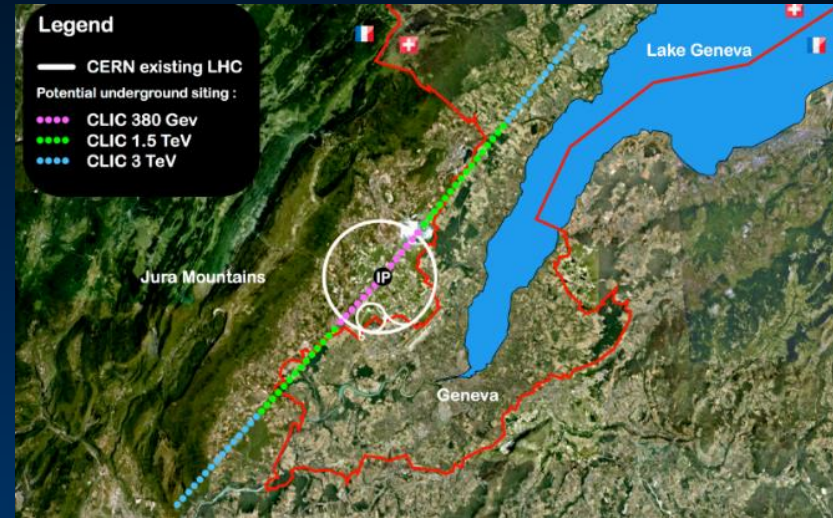
High Luminosity LHC until 2040

- Ten times more collisions than the original design



Studies in progress: Compact Linear Collider (CLIC)

- Linear e^+e^- collider \sqrt{s} up to 3 TeV



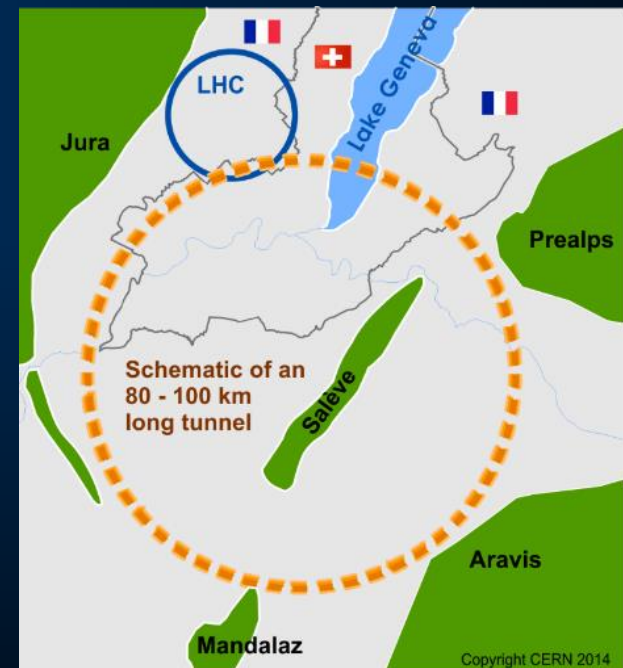
Future Circular Collider (FCC)



- New technology magnets \rightarrow 100 TeV pp collisions in 100km ring
- e^+e^- collider (FCC-ee) as 1st step?

European Strategy for Particle Physics

- Preparing next update in 2020



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Thank You!



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