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## FCC-ee large scale project installation planning: challenges & proposals

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CERN is contemplating further advancements in the energy frontier through the Future Circular Collider (FCC) study, envisioning a 90.7 km underground accelerator with multiple energy stages over time. Following the European Strategy for Particle Physics recommendation in 2020, CERN initiated a feasibility study to scrutinize all aspects of the FCC project.

A crucial component of this study involves developing a timeline from project approval to the operational commencement of FCC-ee, the initial energy stage of the machine. Since the last planning iteration in 2018, modifications in the machine layout and shaft configuration necessitated a re-evaluation of the planning.

This paper focuses on the updated planning for FCC-ee, spanning from civil engineering premises acceptance to beam operation. It compiles pertinent elements, including the civil engineering release date, layout data, and human resources regulations and limitations. These elements were analyzed systematically to derive a sector sequence. Employing a bottom-up approach in conjunction with resource constraints, an overarching plan for the FCC-ee machine until the start of operations was formulated.

### Footnotes

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Europe

**Primary author:** FLEURY, Sarah (European Organization for Nuclear Research)

**Co-authors:** BURNET, Jean-Paul (European Organization for Nuclear Research); BERNARDINI, Marzia (European Organization for Nuclear Research)

**Presenter:** FLEURY, Sarah (European Organization for Nuclear Research)

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