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Recent updates of the layout of the lattice of the CERN hadron-hadron Future Circular Collider

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The Future Circular Collider (FCC) study comprises two accelerators, namely a high-energy lepton collider (FCC-ee) and an energy-frontier hadron collider (FCC-hh). Both rings share the same tunnel infrastructure, analogous to LEP and LHC. We present the current design status of FCC-hh, updated from the Conceptual Design Report (CDR) and with recent developments including the new designs of the combined injection and dump insertion, combined injection and RF insertion, new collimation insertions, as well as the optimization of the arc cells and dispersion suppressors to increase the dipole filling factor.

Funding Agency

Footnotes

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Yes

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