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A new baseline layout for the FCC-hh ring

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The Future Circular Collider (FCC) study includes two accelerators, a high-energy lepton collider (FCC-ee) and an energy-frontier hadron collider (FCC-hh). Both machines share the same tunnel infrastructure. We present the current design status of FCC-hh, highlighting the most recent changes, including a new layout following updated tunnel dimensions, a change from 12 to 16 dipoles per cell increasing the dipole filling factor, implementation of the beam crossing scheme at experimental interaction points, and the optical solutions found for the eight experimental and technical insertions.

Footnotes

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Europe

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