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The FCC-ee physics experimental program

One of the focuses of the Future Circular Collider design study is a high luminosity and high precision e+e- collider with energies ranging from (approx.) the Z peak to above the top quark pair production threshold. This is also a possible first step towards the ultimate goal, a 100 TeV hardon collider. The high luminosity allows to contemplate 10^12-13 Z decays, 10^8 W pairs, 2.10^6 ZH events and 10^6 top quark pairs. The experimental conditions and beam energy properties allow a very powerful physics program including high precision measurements and search for rare processes. The status of the experimental study, including a number of challenges, will be presented.

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