



Contribution ID: 675

Type: poster

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 hadron collider. The high luminosity allows to contemplate 10^{12-13} Z decays, 10^8 W pairs, $2 \cdot 10^6$ 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.

Author: BLONDEL, Alain (Universite de Geneve (CH))

Presenter: BLONDEL, Alain (Universite de Geneve (CH))

Track Classification: Flavour Physics and Fundamental Symmetries