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The Higgs Physics Program at the International Linear Collider

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The precise exploration of all aspects of the Higgs sector is one of the key goals for future colliders at the Energy Frontier. The International Linear Collider (ILC) provides the capability for model-independent measurements of all relevant couplings of the Higgs boson to fermions and gauge bosons, including direct measurements of the Top Yukawa coupling as well as of the Higgs self-coupling. This contribution will review the highlights of Higgs physics at the ILC in the context of a 20-year-long physics program. This program covers different collision energies up to 500 GeV with various beam polarisations, each contributing important aspects to the exploration of this new sector of particle physics. Beyond this initial scope of the ILC, we will also discuss the prospects of a 1 TeV upgrade, which offers complementary capabilities for the measurement of double Higgs production and the Higgs self-coupling.

Oral or Poster Presentation

Oral

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