

# Expectations for Precision Tests of the Standard Model at the ILC”

*Friday, 31 July 2020 08:00 (18 minutes)*

In the past year, studies for the European Strategy for Particle Physics have led to a much clearer understanding of the capabilities of the International Linear Collider to measure the Standard Model parameters with high precision. The new projections for ILC improve the expected precision on Higgs boson couplings, tests of electroweak interactions at the Z pole, high energy WW interactions, 2-fermion production processes, and direct and indirect measurements of the Higgs boson self-coupling. The use of Standard Model Effective Field Theory gives a unified framework for analyzing all of these Standard Model tests, and demonstrates their synergy in using precision to search for new physics. This talk will review this framework and summarize the current expectations for the ILC.

## Secondary track (number)

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