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## Di-Higgs production in $e^+e^-$ Collisions and Measurement of the Higgs Self-Coupling

*Tuesday, 16 March 2021 06:20 (20 minutes)*

Determination of the Higgs boson self-coupling is crucial for understanding the structure of the electroweak symmetry breaking vacuum. I will review the theoretical extraction of the self-coupling from observed cross sections of  $e^+e^- \rightarrow Zhh$  and  $e^+e^- \rightarrow \nu\nu hh$  at high energy, current projections of experimental sensitivity, and the limiting factors for this measurement.

### Time Zone

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