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## Constructing the Covariant Vertices Systematically

*Tuesday 21 February 2023 15:10 (30 minutes)*

We describe a systematic algorithm for constructing the Lorentz covariant three-point vertices by studying the decay of a particle into two particles in which the masses and spins of the three particles are arbitrary. Then, we introduce a few useful and practical applications of the algorithm.

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**Session Classification:** Higgs