Loops and Legs in Quantum Field Theory

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Three-loop vertices with massive particles

Thursday 18 April 2024 14:30 (30 minutes)

Vertex corrections with massive particles are important building blocks for higher order corrections, since they describe the virtual corrections for many observables. In this talk we present new analytical and semi-analytic results for vertices with non-symmetric mass assignments on the external legs. In particular, we will focus on corrections to the inclusive decays of $b \rightarrow s\gamma$ and $b \rightarrow u l \bar{\nu}$.

Primary author:SCHÖNWALD, Kay (UZH)Presenter:SCHÖNWALD, Kay (UZH)Session Classification:Parallel 8