

QCD renormalization constants through the Loop-Tree duality

Abstract

The Loop-Tree duality theorem establish that loop contributions to scattering amplitudes can be computed through dual integrals, wich are build from single cuts of the virtual diagrams. In order to build a complete loop-tree duality representation of the cross section, it is crucial to include the renormalised self-energy corrections for wich it is necessary to calculate the QCD renormalization constants.

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