

(0925020) **ONLINE Seminar zur Elementarteilchentheorie**

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SMEFT and its massive on-shell amplitudes

Abstract

We present a map between the tree-level Standard Model Effective Theory (SMEFT) in the Warsaw basis and massive on-shell amplitudes. Focusing on the electroweak sector without fermions, we describe the Feynman rules for a particular choice of input scheme and compare them with the 3-point massive amplitudes in the broken phase. Thereby we fix an on-shell basis which allows us to study scattering amplitudes with recursion relations.