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# One-loop Matching for Perturbative Unitary Theories

*Wednesday 27 July 2022 12:24 (18 minutes)*

Various precision observables, such as flavour changing decays, are generated at one-loop level in the Standard Model and their renormalisation involves cancellations between purely bosonic and fermionic interactions. In this talk I will show how perturbative unitarity constraints can be used to derive renormalised matching conditions for generic theories. These general results comprise the matching conditions for specific models that address current flavour anomalies and can be used for phenomenological analyses.

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