

EFT for quark flavour

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I. LECTURE 1

The Standard Model and its flavour structure. Effective Hamiltonian for $\Delta F = 2$ processes in the Standard Model: matching, running and matrix elements.

II. LECTURE 2

Effective Hamiltonian for $\Delta F = 1$ processes in the Standard Model: matching, running and matrix elements.

III. LECTURE 3

The Unitarity Triangle Analysis and D meson mixing in the Standard Model and Beyond.

IV. LECTURE 4

The Standard Model as an effective theory. Constraints on New Physics from $\Delta F = 2$ processes. Minimal Flavour Violation.

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