

Introduction to the CKM Matrix

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The Standard Model CKM matrix describes the observed flavor and CP violating phenomena in particle physics remarkably well. I will review the results of the global Unitarity Triangle fits performed by the UTfit and CKMfitter collaborations that use the latest inputs from experiments, lattice QCD, and phenomenological calculations. Furthermore, I will discuss how the Unitarity Triangle analysis can be extended in the presence of new physics and I will present bounds on the new physics scale that can be derived from meson oscillations.

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