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The CKM analysis: inputs from theory

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The CKM matrix is the only source of mixing among quarks of different generations in the Standard Model and provides a mechanism for CP violation. Testing this paradigm has been one of the most successful task of particle physics in the last decade, with an accuracy which has continuously increased in time, on both the experimental and theretical side. In this talk I review the current status of theoretical calculations which provide the relevant input to the CKM analysis, coming mostly from lattice QCD simulations.

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