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Update on the Unitarity Triangle global fits by the UTfit Collaboration

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Flavour physics represents a unique test bench for the Standard Model (SM). New analyses performed at the LHC experiments are now providing unprecedented insights into CKM metrology and new results for rare decays. The CKM picture can provide very precise SM predictions through global analyses. In addition, the Unitarity Triangle analysis can also be exploited to constrain the parameter space in possible New Physics (NP) scenarios using a model-independent parametrisation to combine all of the available experimental and theoretical information on $\Delta\mathbb{F}=2$ processes. We present here the results of the latest global SM and NP analyses performed by the UTfit collaboration including all the most updated inputs from experiments, lattice QCD and phenomenological calculations.

In-person participation

Yes

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