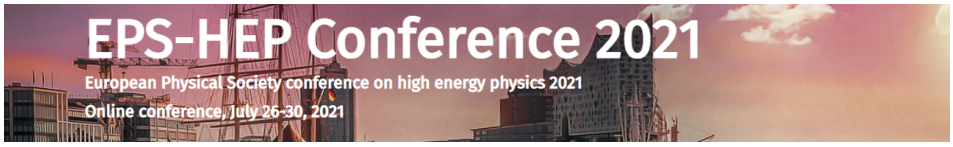

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Unitarity Triangle global fits beyond the Standard Model: UTfit 2021 NP update

Flavour physics represents a unique test bench for the Standard Model. 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 Standard Model predictions through global analyses.
The Unitarity Triangle (UT) analysis can also be used to constrain the parameter space in possible new physics (NP) scenarios. We present an update of the UT analysis beyond the SM by the UTfit collaboration. Assuming NP, all of the available experimental and theoretical information on DeltaF=2 processes is combined using a model-independent parametrisation. We determine the allowed NP contributions in the kaon, D, Bd, and Bs sectors and, in various NP scenarios, we translate them into bounds for the NP scale as a function of NP couplings.

Collaboration / Activity

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