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Unitarity Triangle analysis beyond the Standard Model: general analysis and constraints on specific models

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Using the Unitarity Triangle analysis, generalized to account the presence of physics beyond the Standard Model, we discuss the current model-independent bounds on New Physics contributions to K - K bar, D - D bar and B_q - B_q bar ($q=d,s$) mixing processes. This information is then translated into a lower limit on the probed scale of New Physics. We consider several scenarios, such as a New Physics with generic flavour structure, NMFV, as well as MFV with low, moderate or large values of $\tan\beta$.

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