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The CKM matrix in the SMEFT

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The extraction of the CKM matrix from flavour observables can be affected by physics beyond the Standard Model. I will present a general roadmap to take this into account, applied to the SMEFT. This approach allows one to perform general SMEFT analyses in a consistent fashion, independently of any assumptions about the way new physics affects the flavour observables that are used to fix the CKM parameters. I'll discuss a few examples illustrating how this approach can be implemented in practice.

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