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The Standard Model prediction of ϵ'/ϵ

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We review the current status of ϵ'/ϵ within the Standard Model, discussing in detail the different ingredients that enter into the calculation of this observable. Both short-distance and long-distance contributions need to be taken into account, within a properly-defined theoretical framework. An update of the Standard Model prediction is presented and the prospects for future improvements are analysed.

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Session Classification: ϵ'/ϵ