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## The Standard Model prediction of $\epsilon'/\epsilon$

*Wednesday, September 11, 2019 12:40 PM (30 minutes)*

We review the current status of  $\epsilon'/\epsilon$  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:**  $\epsilon'/\epsilon$