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CKMfitter Summer 2010 collection: The CKM Matrix Status and sensitivity to New Physics

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An up-to-date profile of the Cabibbo-Kobayashi-Maskawa matrix is given with emphasis on the interpretation of recent results on CP violation. A review of all relevant experimental and theoretical inputs from the contributing domains of electroweak interaction are provided together with numerical and graphical constraints on the CKM parameters and predictions of related physical observables. We discuss the impact of what the data actually say on studies of new physics and constraints on its parameters are derived.

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