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## Evolution of the CKM matrix for the SM, 2HDM and MSSM models

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### Abstract content

### Summary

We present the procedure to obtain the differential equations that determine the evolution of the elements of the quarks mixing matrix, known as the Cabibbo Kobayashi Maskawa matrix (CKM), starting with the renormalization group equations for the quarks Yukawa couplings. The elements of the CKM matrix are observables, which can be determined experimentally. The knowledge of the CKM matrix behavior at high energies, obtained through the low energies data, is important to determine a possible unification and reduction of the number of parameters that are considered in the now a days most accepted theoretical models.

**Primary author(s) :** MONTES DE OCA YEMHA, Jose Halim (ESFM-IPN)

**Presenter(s) :** MONTES DE OCA YEMHA, Jose Halim (ESFM-IPN)

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