Contribution ID : **59** Type : **not specified**

Quark flavor mixing and mass matrices

Thursday, 9 October 2008 17:00 (0:30)

Abstract content

Some implications of the textures of the mass matrices for the flavor mixing matrix V are reviewed. Constraints on the structure of the mass matrices are given using some of the experimently measured properties of V and the quark masses at 2 GeV and MZ energy scales. In addition, to the Fritzsch and Stech type mass matrices, a new type of mass matrix (designated as “CGS") is considered. The CGS type gives much better fits in the physical basis. The fits at the two energy scales are similar,implying that our results are unaffected by the evolution of the quark masses from 2 to 91 GeV.

Summary

Primary author(s) : Dr. GUPTA, Virendra (CINVESTAV, Merida)

Presenter(s) : Dr. GUPTA, Virendra (CINVESTAV, Merida)

Session Classification : Hadronic Physics