

Q_6 as the Flavor Symmetry in the non-minimal SUSY $SU(5)$ Model.

Friday, 8 June 2012 12:30 (0:20)

Abstract content

We present a non-minimal renormalizable SUSY $SU(5)$ model where the flavor sector is driven by the Q_6 flavor symmetry. In the Nearest Neighbor Interactions scenario and invoking R-parity conservation, we achieve to accommodate, according the current data, mixings in the CKM matrix. At the same time, in the leptonic side, the model predicts a strong inverted hierarchy spectrum among the neutrino masses and consistent neutrino mixing angles are obtained.

Primary author(s) : Dr. GOMEZ, Juan Carlos (Instituto de Física UNAM)

Presenter(s) : Dr. GOMEZ, Juan Carlos (Instituto de Física UNAM)

Session Classification : Flavour and QCD

Track Classification : Particles