

Three generations of Higgses and the cyclic groups

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

Abstract content

We present an analysis that shows that for renormalizable flavor models based on the cyclic group of order N , if there are three $SU(2)$ doublet Higgses, the smallest N that can be used to reproduce the Nearest-Neighbor-Interaction texture for the quark mass matrices is $N=5$.

Primary author(s) : Dr. ROJAS, Alma D. (Universidad de Colima); Dr. ARANDA, Alfredo (Universidad de Colima); Mr. BONILLA, Cesar (Benemerita Universidad Autonoma de Puebla); Mr. RAMOS, Raymundo (College of William & Mary)

Presenter(s) : Mr. BONILLA, Cesar (Benemerita Universidad Autonoma de Puebla)

Session Classification : Higgs

Track Classification : Particles