Abstract

We review the concept of rephasing invariants in Quark and Lepton sector, and by counting the number of independent rephasing invariants we determine the number phases in mixing matrices. Then we consider briefly the extended SM with dimension five operator, resulting in effective Majorana mass at low energies. In this extension of SM there are two mixing matrices in Lepton sector at high energies. We discuss this matrices and their rephasing invariants. This seminar is a review of hep-ph/0706.4313