



ID de Contribution: 67

Type: Non spécifié

SuperIso and new constraints from B physics

mercredi 14 novembre 2007 11:00 (20 minutes)

Abstract:

SuperIso is a new program for calculating the isospin symmetry breaking in $B \rightarrow K^* \gamma$ decays, in the MSSM with minimal flavor violation. This program calculates the NLO supersymmetric contributions to the isospin asymmetry, using the effective Hamiltonian approach and within the QCD factorization method, as well as the inclusive branching ratio associated to $b \rightarrow s \gamma$ transition, as a comparison reference. I will show that isospin asymmetry proves to be a very restrictive observable, in particular in the mSUGRA parameter space.

Orateur: Dr MAHMOUDI, Nazila (Uppsala U.)

Classification de Session: Tools