

B physics, direct dark matter detection and SUSY Higgs searches at colliders

Thursday 19 July 2007 14:00 (1 hour)

I will discuss the connection among Higgs Physics, Flavour Physics and Cosmology in Supersymmetric Models. I will highlight the impact of radiative corrections to the Higgs-fermion couplings which can lead to relevant Flavour conserving and FCNC effects. This will allow me to show the interplay between direct Higgs searches at the Tevatron and the LHC and the impact of present and projected experimental results for rare B decays, which can importantly constrain large regions of Supersymmetric parameter space. Finally, I will consider as well the interplay between Higgs searches at colliders and direct dark matter searches and its role in exploring Supersymmetric scenarios.

Presenter: CARENA, Marcela

Session Classification: Seminar