

CP3 Lunch - Custodial Invariant Two Higgs Doublets Models with Minimal Flavour Violation - Ms. Elvira Cerveró García

Wednesday 07 December 2011 from 13:00 to 13:50 (Europe/Brussels)
at Cyclotron (1-3rd floor-E.349 - Seminar room (E.349))

Description When modifying the Standard Model (SM) by introducing a second scalar doublet, some experimentally favored properties of the SM such as the custodial symmetry or the conservation of flavour in neutral currents are in principle lost.

In this talk I will introduce the Minimal Flavour Violation principle in order to suppress the flavour changing neutral currents (FCNC) in some particular two Higgs doublets models where the custodial symmetry is realized. The model has been tested in a few neutral meson processes where FCNC are expected to give significant contributions.

