

Neutral Higgs production in the MSSM with complex parameters

Thursday 1 October 2015 16:05 (15 minutes)

The MSSM with complex parameters has emerged as an attractive SUSY candidate providing new sources of CP-violation, which are well motivated in the context of the observed imbalance between matter and antimatter in the universe. In order to study the effects of the complex parameters, which enter via loop contributions, an accurate prediction for the Higgs production cross-section is required. In this talk, we present a study of these effects carried out with an implementation in the program SusHi linked to FeynHiggs.

Primary author: PATEL, Shruti (DESY)

Co-authors: Dr WEIGLEIN, Georg (DESY); Dr LIEBLER, Stefan (DESY)

Presenter: PATEL, Shruti (DESY)

Session Classification: Particle Phenomenology