



ID de Contribution: 98

Type: **Ordinary**

Neutralino dark matter with a light Higgs

vendredi 18 mars 2011 08:50 (15 minutes)

We shall examine the dark matter phenomenology in supersymmetric light higgs boson scenarios, starting from a MSSM variant with non-universal Higgs masses at the GUT-scale. The correct relic density is obtained mostly through the annihilation into a pseudoscalar A . We shall see that most part of the A pole region can produce significant gamma-ray and antiproton signals and comment on the different relevant behaviors of various viable parameter space regions. Furthermore, we shall confront the model with constraints coming from direct detection experiments and comment on the results, focusing on uncertainties in dark matter - related computations.

Auteur principal: M. GOUDELIS, ANDREAS (DESY - Hamburg)

Orateur: M. GOUDELIS, ANDREAS (DESY - Hamburg)

Classification de Session: Astroparticles - Dark Matter

Classification de thématique: Theory