## Scalars 2015

Contribution ID: 43

## Light singlet scenario in R-symmetric SUSY

## Content :

R-symmetry is an additional symmetry which might be preserved after SUSY breaking. This leads to interesting phenomenological consequences like the existance of Dirac gauginos. A model with a minimal implementation of this symmetry, the MRSSM, also includes a gauge singlet Higgs state which could be lighter than the observed 125 GeV SM-like Higgs, while still not conficting LEP or LHC bounds. In this talk I will discus positive effects of mixing between SM-like and singlet Higgses as well as phenomenology of Dirac bino-singlino dark matter.

Primary authors : KALINOWSKI, Jan (University of Warsaw) ; Mr. KOTLARSKI, Wojciech (University of Warsaw) ; Prof. STÖCKINGER, Dominik (TU - Dresden) ; Mr. DIESSNER, Philip (TU Dresden)

Co-authors :

Presenter : Mr. KOTLARSKI, Wojciech (University of Warsaw)

Session classification : -- not yet classified--

Track classification : --not yet classified--

Type : --not specified--