

DISCRETE 2014: Fourth Symposium on Prospects in the Physics of Discrete Symmetries



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Testing Non-minimal Higgs sector at Colldiers

Thursday 4 December 2014 11:45 (45 minutes)

Testing models with Higgs doublets at LHC will be discussed.

I will focus on the Inert Doublet Model, with the exact Z_2 symmetry, which offers viable Dark Matter candidates. LHC data together with Planck results on relic density provide very strong constraints on DM mass and its coupling to the Higgs boson. Some results on the potential of ILC in testing such models will be shown as well.

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