

Scalars 2015

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Production of Inert Scalars at the e^+e^- Linear Colliders

Content :

In this talk I will present the signatures of Inert Doublet Model scalars at the Linear Colliders with the center of mass energies 500-GeV and 1000-GeV at the integrated luminosity of 500 fb^{-1} . Several benchmark points are studied with focus on $H^{\pm} \rightarrow W^{\pm} H$ and $A \rightarrow Z H$ decays and the signal statistical significance is calculated in different final states. The result shows that the signals are well observable in different final states for all chosen benchmark points.

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