

Phenomenology of the Higgs triplet model at the ILC

Wednesday, 25 April 2012 14:50 (25 minutes)

Higgs triplet fields are introduced in several new physics models beyond the SM such as the type II seesaw model, the left-right symmetric model and so on. Therefore, studying properties of the Higgs sector with triplet fields are important to clarify new physics models. In this talk, we focus on the Higgs triplet model, where $Y=1$ triplet field is added to the SM. We first discuss the constraint from the electroweak precision data, and then we investigate the phenomenology of this model at the ILC.

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Session Classification: ACFA Physics