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BSM physics constraints from Higgs measurements at future e+ e- colliders

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The primary goal of future e+ e- colliders could be measuring the Higgs property as precise as possible. If its deviations from SM are found, these deviations can give the hints of the BSM physics. The Higgs measurements can be used to constrain the BSM physics in two different ways: the model-independent EFT approach, and the model-dependent UV complete approach. In this talk, I will give two examples. In the first example, the angular observables in the e^+ e^- -> H Z -> b \bar{b} l^+ l^- productions at CEPC and FCC-ee are used to constrain the related dimension-6 EFT operators. Our results show that angular observables provide complementary sensitivity to rate measurements when constraining various tensor structures arising from new physics. In the second example, the Higgs coupling measurements at ILC and CEPC are used to constrain a UV complete natural SUSY model. A few interesting results will be shown.

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