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BSM Triple Higgs couplings at the ILC/CLIC

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To explain the baryon asymmetry in the universe a First Order Electroweak Phase Transition (FOEWPT) in the early universe is favored. This requires a BSM Higgs sector, which introduces additional Higgs bosons as well as the corresponding additional trilinear Higgs couplings (THCs). Taking the 2HDM as a concrete example, we discuss how such BSM THCs might be accessible at the ILC/CLIC via di-Higgs production. We also briefly analyze the effect of higher-order corrections to the THCs.

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