

Extended Higgs sectors and EW baryogenesis

Friday, 21 November 2025 10:30 (1 hour)

We discuss various phenomenological aspects of physics in the model for EW baryogenesis based on the extended Higgs sectors. Important discriminative predictions of the scenario of EW baryogenesis are the phenomena from extra CP violation and the first order EW phase transition. We discuss some phenomenological features of models of EW baryogenesis and how to test such models by future experiments. If time allows, we may also be able to discuss a model which can simultaneously explain neutrino mass, dark matter and baryogenesis by the physics at the TeV scale.

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