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Effective electroweak baryogenesis

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In electroweak baryogenesis the baryon asymmetry of the universe is created during a first-order electroweak phase transition. The scenario requires new physics at the electroweak scale, in particular an extended Higgs sector and new sources of CP violation, which can be tested experimentally. It would be advantageous if the crucial aspects of the various models can be tested in a single framework. In this talk I will discuss what ingredients are needed for an effective production of baryons, and whether this can be tested in a model-independent way using effective field theory methods.

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