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Thomas Konstandin: "Electroweak baryogenesis"

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Electroweak baryogenesis is a mechanism that aims at explaining the baryon asymmetry of the Universe. One of the essential ingredients is a strong first-order cosmological phase transition which at the same time produces gravitational waves. I will present the current status of electroweak baryogenesis in terms of low-energy and collider probes and how it relates to potential GW signals from the electroweak phase transition.

Summary