

# Gravitational baryogenesis

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Different scenarios of baryogenesis are discussed. Of particular interest is the scenario of spontaneous baryogenesis (SBG), which can proceed in thermal equilibrium and it is usually most efficient in thermal equilibrium. Gravitational baryogenesis is investigated. It differs from SBG by a new interaction of baryonic current with the derivative of the curvature scalar. This coupling leads to some intrinsic problems which are analyzed in the talk.