

# Baryogenesis from transient CP violation in the early Universe

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Extended scalar sectors can yield baryogenesis at the EW scale. This is generally related to their providing the needed departure from thermal equilibrium (absent in the SM) via a first-order EW phase transition. Yet, BSM sources of CP violation are also required for baryogenesis, despite being very strongly constrained experimentally by electric dipole moments (EDMs). I show that extended scalar sectors may offer a solution to this problem too, by yielding a transient enhancement of CP violation in the early Universe that is a catalyzer for baryogenesis.

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