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## Resummation and cancellation of the VIA source in electroweak baryogenesis

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In electroweak baryogenesis, the asymmetry between matter and antimatter is generated during the electroweak phase transition. Predicting the amount of matter requires a derivation of transport equations for the CP-violating particles. For a long time, two different formalisms were

used in the literature: the semi-classical method and the vev-insertion

approximation. The latter typically yielded a much larger value for the

asymmetry, such that certain models for electroweak baryogenesis were only consistent with observations if the vev-insertion approximation was correct. In this talk, I will argue that the CP-violating source derived in the vev-insertion approximation is a mere artefact, and in fact vanishes completely.

Summary

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