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Symmetry Restoration at Finite Temperature in a Weak Magnetic Field

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Abstract content

Summary

The restoration of symmetry in quantum field theories at finite temperature is an important subject for the description of phase transitions in the early universe, in particular when applied to the study of the barionic asymmetry. In this work we present the progress in the calculation of the finite temperature effective potential in the presence of primordial magnetic fields to describe the electroweak phase transition, taking into account the contribution of the ring diagrams with the degrees of freedom at the broken phase.

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