Contribution ID : **142** Type : **not specified**

Phase transition dynamics and gravitational waves

Friday, 10 October 2008 19:30 (0:45)

Abstract content

During a first-order phase transition, gravitational radiation is generated either by bubble collisions or by turbulence. For phase transitions which took place at the electroweak scale and beyond, the signal is expected to be in the sensitivity range of interferometers such as LISA or BBO. In this talk we review the generation of gravitational waves and discuss the dependence of the spectrum on the dynamics of the phase transition.

Summary

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Session Classification : Cosmology