

Cosmic phase transitions at the TeV scale

Thursday 18 April 2019 12:15 (25 minutes)

I will discuss phase transitions at the TeV scale, in particular the electroweak one (in extensions of the standard model). I will review the current status of how gravitational waves are generated during the phase transition, and show how the resulting gravitational wave signal can be obtained from key properties of the transition. Finally, I will discuss detection prospects at future interferometers, such as LISA. I also plan to speak on links to collider physics and baryogenesis.

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Session Classification: Astroparticle and cosmology

Track Classification: Astroparticle and cosmology