

Gravitational waves from phase transitions at the electroweak scale

Wednesday, 4 November 2020 16:00 (1 hour)

In extensions of the Standard Model of particle physics, this could have been a first order phase transition, at about 10 picoseconds after the Big Bang. I will discuss the dynamics of the transition, the characteristic spectrum of gravitational radiation, and the prospects for observing the radiation at the future space-based gravitational wave detector LISA.

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Session Classification: KEK-PH + KEK-Cosmo GW