

Primordial Gravitational Waves from Modified Gravity and Cosmology

Wednesday, 13 November 2019 14:05 (5 minutes)

We will review gravitational wave propagation in standard and non-standard cosmological history. Particularly, we will discuss the spectrum of primordial gravitational (PWG) waves spectrum induced due to inflation in such scenarios. Then we will show the predictions in scenarios as predicted by various modified gravity theories, motivated by beyond Λ CDM model of cosmology and dark energy scenarios. As an example, we will discuss scalar-tensor theory as modified cosmology candidate. Next we will comment upon the sensitivity reaches of such predictions within the future and current GW detectors.

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Session Classification: Lightning talks