



量子物理学・ナノサイエンス第 356 回セミナー

Primary tensor-induced stochastic gravitational waves

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概要

Enhanced small-scale inflationary perturbations can produce stochastic gravitational waves which are detectable by the future gravitational wave detectors. The dominant contribution to the gravitational waves is expected to be generated by the curvature perturbations leading to the so-called secondary scalar-induced gravitational waves scenarios. In this talk, I will argue that contributions from spectator fields which can provide extra tensor perturbations, on top of the metric tensor perturbations, can be comparable to the one generated by the curvature perturbation.

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