

CURVATON COSMOLOGY: SCALAR PERTURBATIONS, BARYOGENESIS AND PBH

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Abstract

Curvaton scenario provides an interesting scenario to produce observable scalar perturbation observable in Cosmic Microwave Background (CMB) radiation. But the presence of this additional field can also explain some other cosmological phenomena. In this talk I will present a couple of scenarios where curvaton can produce primordial black holes (PBH), and curvaton can be responsible for baryogenesis. Along with this I will present a novel mechanism that can provide us with an efficient computation scheme for curvaton scenarios.

Everyone is invited to attend

