



Contribution ID : 74

Type : **Oral talk**

Cosmological Constant Suppression in Non-Stationary Scalar Covariant State

Friday, 25 October 2024 17:45 (15)

We study spatial-temporal structure of quantum fluctuations in stress-energy tensor of zero-point modes of scalar field in order to formulate relativistically covariant model. The model describes a vacuum contribution to cosmological constant in non-stationary state of finite volume. Bare and effective mean values of vacuum energy are compared.

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Session Classification : Gravitation and Cosmology

Track Classification : Gravitation and cosmology