



Contribution ID: 459

Type: **not specified**

Stochastic gravitational wave background in quantum gravity

Friday, 27 August 2021 16:40 (20 minutes)

Inflation generically predicts a gravitational wave background originating from quantum fluctuations of the space-time metric. I will discuss quantum gravity models which predict a blue-tilted spectrum, such as non-local Starobinsky inflation, and present how future interferometer experiments help to constrain the models.

Primary authors: CALCAGNI, Gianluca; KUROYANAGI, Sachiko

Presenter: KUROYANAGI, Sachiko

Session Classification: Gravitational Waves as Probes for New Physics

Track Classification: Gravitational Waves as Probes for New Physics