

Gravitational Wave Probes of Physics Beyond Standard Model

Contribution ID: 25

Type: **not specified**

Gravitational waves and quantum gravity

Wednesday 14 July 2021 17:40 (25 minutes)

We will review recent results about the search for a cosmological imprint of quantum gravity in gravitational-wave physics. Tight constraints and a chance of detection for some models may come from modified dispersion relations, the luminosity distance of standard sirens and the stochastic gravitational-wave background.

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Session Classification: Inflationary Sources & PBH