

The Stochastic Gravitational Wave Background from Cosmic String Networks

Monday, July 12, 2021 3:30 PM (25 minutes)

In this talk we will review the different ingredients that go into the calculation of the stochastic gravitational wave background from cosmic strings and explain how one can extract the relevant information by performing large scale cosmological simulations of Nambu-Goto strings. Finally, we will also discuss how current efforts to take into account gravitational backreaction can impact on the gravitational wave signals from strings.

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Session Classification: Topological Defects