

Simulating Stochastic Gravitational Waves from Early Structure Formation

Wednesday 12 June 2024 10:00 (45 minutes)

Gravitational wave detectors provide a chance to observe the state of the very early universe and have important sensitivities for studies of early universe cosmology and searches for physics beyond the Standard Model. In this talk, I will discuss the production of potentially detectable stochastic gravitational wave backgrounds in early matter dominated eras in the linear and nonlinear regimes of structure formation.

Presenter: FOSTER, Joshua (Massachusetts Institute of Technology)