

Probing the first instants of the universe with large scale structure

Friday, 5 November 2021 12:20 (30 minutes)

In this talk, I will discuss the state of the art in the field of large scale structure for cosmology. I will in particular discuss the novel approach of effective field theory which allows to integrate out complicated small scales physics. I will entertain the possibility that it is now possible to propagate a primordial signal throughout cosmic history and detect it in future galaxy surveys, In this sense, large scale structures could be used to constrain primordial physics and thus push forward our fundamental understanding of our universe.

Presenter: Prof. STAHL, Clement (Strasbourg U., France)