

Uplifting Massive Graphs from Minkowski to de Sitter

Identifying useful flat-space limits for cosmological correlators—where they can be expressed in terms of observables in Minkowski space—is nontrivial due to their scale-invariant nature. In this talk, I present a massive flat-space limit in which cosmological correlators, induced by the exchange of heavy fields, can be expressed in terms of massive Feynman graphs in flat space. As a phenomenological application, I use this limit to compute specific one-loop contributions from heavy fields to primordial non-Gaussianity.

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Session Classification: Flash talks

Track Classification: UK Cosmo