Sixteenth Marcel Grossmann Meeting



Contribution ID: 152

Type: Talk in the parallel session

Presenting Different time steps, at the start of inflation, Using Kiefer Density Matrix, for the use of an Inflaton, in determining different conceivable time intervals for time flow Analysis

Wednesday, 7 July 2021 09:30 (25 minutes)

We are using the book "Towards Quantum Gravity with an article by Claus Kiefer as to a quantum gravity interpretation of the density matrix in the early universe. The density matrix we are using is a one loop approximation, with inflaton value and potential terms, like V(phi) using the Padmanabhan values one can expect if the scale factor is a ~ a(Initial) times t ^ gamma , from early times . In doing so, we isolate out presuming a very small initial time step candidates initial time values which are from a polynomial for time values due to the Kiefer Density value.

Primary author: BECKWITH, Andrew (Chongqing University, physics)Presenter: BECKWITH, Andrew (Chongqing University, physics)Session Classification: Quantum Gravity Phenomenology

Track Classification: Quantum Gravity: Quantum Gravity Phenomenology