

ICTS-Infosys String Theory Lecture Series

Title : Aspects of de Sitter space

Speaker : Dionysios Anninos, King's College London, United Kingdom

Date : 29th, 30th October & 1st November, 2018

Time : 11:00 AM

Venue : Madhava Lecture Hall, ICTS Campus, Bangalore

Abstract : We overview some aspects of asymptotically de Sitter spacetimes at the classical and quantum level. We discuss some features of the late time de Sitter wavefunction. We briefly touch upon properties of the relation between de Sitter space and Euclidean conformal theories, broadly referred to as the dS/CFT correspondence. We discuss in some detail a concrete example with a bulk Vasiliev theory containing an infinite tower of interacting massless gauge higher spin fields. Finally, time permitting, we will discuss some similarities and differences between the cosmological dS horizon and a more standard black hole horizon.