Institut Henri Poincaré

11 rue Pierre et Marie Curie, 75231 Paris cedex 05

String Theory in Greater Paris

Rencontres Théoriciennes

“Supergravité, théorie des cordes et théorie M”

Jeudi 21 Novembre 2019, 10:00

Thomas Van Riet

KU Leuven

An orderly dS exit ?

In this talk I will discuss the status of dS space in string theory from two viewpoints. 1) I will overview (in a hopefully pedagogical manner) some recent technical works that have critized the KKLT scenario and argue that the status of KKLT has not improved over the years. 2) This fits in a bigger picture that questions the very existence of constant dark energy from string theory, which is based on more conjectural work (the dS Swampland conjectures) and I will argue that these conjectures at least form a self-consistent web.

Institut Henri Poincaré, salle 314, 3ème étage