ID de Contribution: **8**   Type: **Non spécifié**

de Sitter Vacua from Ten Dimensions

mardi 10 décembre 2019 10:40 (40 minutes)

We analyze the de Sitter construction of KKLT using ten-dimensional supergravity, finding exact agreement with the four-dimensional effective theory. Starting from the fermionic couplings in the D7-brane action, we derive the ten-dimensional stress-energy due to gaugino condensation on D7-branes. We demonstrate that upon including this stress-energy, as well as that due to anti-D3-branes, the ten-dimensional equations of motion require the four-dimensional curvature to take precisely the value determined by the four-dimensional effective theory of KKLT.

Orateur: KIM, Manki