

The Flatness of Axionic Potentials and a 10d Approach to KKLT

Wednesday 26 June 2019 12:00 (30 minutes)

After a brief summary of some recent work on flat axionic potentials in the regime of subplanckian decay constants, I will turn to the controversial topic of a 10d description of the KKLT scenario. In particular, I will outline a proposal for completing the coupling of D7-brane gauginos to bulk fields. Building on this, I will then argue that the analysis of 10d Einstein equations appears to be consistent with the original 4d method of KKLT, including both the AdS vacuum and its uplift to metastable de Sitter.

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