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Challenges and new perspectives on dS vacua

Thursday 6 July 2023 14:30 (15 minutes)

In this talk I will discuss recently discovered challenges for dS vacua in the Large Volume Scenario and the anti-D3-brane uplift. In particular, I will discuss the effect of α' corrections on the metastability condition of the NS5-brane at the tip of a the Klebanov-Strassler throat which is crucial for the anti-D3-brane uplift. Thereby, we will discover how α' corrections to NS5-branes suggest a novel uplifting mechanism.

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