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SUSY Breaking in the Klebanov-Strassler Background by Anti-D3 Branes

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Constructing models of meta-stable vacua in supersymmetric theories is a crucial task for string phenomenology. It has been conjectured that anti-D3 branes in the Klebanov-Strassler background indeed produce such a supersymmetry breaking scenario. In this talk I will outline the results of a supergravity calculation which represents the backreaction of such anti-D3 branes and discuss the implications for finding meta-stable vacua from warped deformed conifolds.

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