



LABORATORY FOR ELEMENTARY-PARTICLE
PHYSICS (LEPP)

Theory Seminar

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Uplifting anti-D-branes

Anti-D-branes are extended dynamical objects in string theory which break completely the supersymmetry of the background. They are among the central ingredients in string compactifications, especially for what concerns the construction of effective theories admitting four-dimensional de Sitter vacua, which aim at explaining the observed positive cosmological constant. In this talk, I will discuss the role of anti-D-branes in de Sitter constructions, with particular attention on two examples: the celebrated KKLT scenario and a recently proposed STU model originating from type IIA compactifications.



Thursday, February 20, 2020

1:00pm

438 Physical Sciences Building