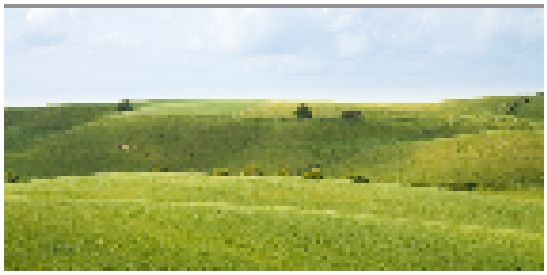

ID de Contribution: **5** Type: **Non spécifié**

Anti-branes in the blackfold approach

lundi 9 décembre 2019 15:00 (40 minutes)

I will give a brief review of the blackfold formalism which provides an approximate analytic method to obtain black hole solutions and their thermodynamic properties in gravity, including supergravity theories relevent to string theory. Subsequently, I will discuss a recent application of the method to analyze anti-D3-branes at the tip of the Klebanov-Strassler throat, which enables to examine how temperature affects the conjectured meta-stable state. Moreover, these results connect in the extremal limit to those of Kachru-Pearson-Verlinde in a regime that was previously inaccesible. The results are remarkably consistent with complementary analysis of backreacted solutions. I will also summarize corresponding results for anti M2-branes in the eleven-dimensional Cvetic-Gibbons-Lu-Pope supergravity background.

Orateur: NIARCHOS, Vasilis