

Institut Henri Poincaré
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String Theory in Greater Paris

Rencontres Théoriciennes
“Supergravité, théorie des cordes et théorie M”

Jeudi 14 Décembre 2017, 10:00

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About the (in)stability of stringy AdS vacua

I will first briefly review the mechanism of bubble nucleation as a possible instability channel for AdS vacua. Secondly I will discuss it in the specific context of effective supergravity models arising from string compactifications truncated to their closed string sector. By making use of positive energy theorems, I will show that such instabilities do not really occur within this setup. Finally, I will discuss the relation between the above analysis and the weak gravity conjecture (WGC) and will eventually argue that some expected universal instabilities for non-supersymmetric AdS are crucially linked to the coupling between open and closed string sector.

Institut Henri Poincaré, salle 314, 3^{ème} étage

Retrouvez les activités de communauté française de théorie des cordes sur