ID de Contribution: **47** Type: **Non spécifié**

Page curves in 4d from Type IIB

lundi 25 avril 2022 17:30 (25 minutes)

Recent years have seen remarkable progress in our understanding of black holes: for black holes in AdS coupled to a bath, Page curves consistent with unitarity have been obtained through semi-classical computations involving quantum extremal surfaces. These computations are largely based either on two-dimensional models or on bottom-up braneworld models which may or may not make sense as consistent theories of quantum gravity. In this talk I will discuss top-down string theory constructions that realize black holes in four-dimensional theories of gravity coupled to a bath, and demonstrate that Page curves can be obtained in consistent theories of higher-dimensional gravity.

Type of contribution

Contributed Talk only

Auteur principal: UHLEMANN, Christoph (University of Michigan)

Orateur: UHLEMANN, Christoph (University of Michigan)

Classification de Session: Contributed talks

Classification de thématique: Contributed talks