

Canadian Association of Physicists

Association canadienne des physiciens et physiciennes

Contribution ID: 2836

Type: Invited Speaker / Conférencier(ère) invité(e)

Spacetime from bits and cosmology from black holes

Tuesday 4 June 2019 10:45 (30 minutes)

In this talk, I will discuss two applications of holographic duality for CFTs with boundaries (BCFTs). First, I will discuss how to describe smooth spacetimes via multipart entangled states of many non-interacting BCFT systems. As a second application, I will describe the construction of certain black hole microstates for which the behind-the-horizon geometry can be deduced explicitly. The latter construction may provide a way to embed cosmological physics within AdS/CFT.

Author: VAN RAAMSDONK, Mark (UBC)

Presenter: VAN RAAMSDONK, Mark (UBC)

Session Classification: T2-9 Fields and Strings I (DTP) | Champs et cordes I (DPT)

Track Classification: Theoretical Physics / Physique théorique (DTP-DPT)