

# Brane evaporation in double holography and entanglement islands

*Monday, 13 June 2022 15:00 (35 minutes)*

Doubly holographic braneworld models played an important role in understanding the role of entanglement islands. They offer three complementary perspectives: the usual AdS bulk and boundary CFT descriptions, but also a brane picture where a gravitational theory is coupled to a CFT. I will discuss ongoing work on the study of entanglement entropy in a model of braneworld evaporation. From the higher dimensional AdS bulk point of view, this system corresponds to a black hole accelerated by a domain wall with time dependent tension.

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