



Department of
Theoretical Physics

THE QUANTUM SPACETIME SEMINAR SERIES

Information Transfer with a Gravitating Bath
(Zoom Seminar)

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Date: January 25, 2021

Time: 10:00 am IST

Zoom link shall be shared separately



Recent progress in our understanding of black hole evaporation has mostly occurred in the context of black holes coupled to an external, non-gravitating bath. In order to compare and contrast to what happens to black holes in asymptotically flat space it is imperative to understand whether the non-gravitating bath is just some external spectator or actively changes the physics in this system. Equivalently, one can wonder to what extent the results generalize to the case of a gravitating bath. We use Randall-Sundrum braneworlds, and their holographic interpretation, to answer this important question.