

TEP Seminar

UCLA

Tuesday, April 14th @ 2pm

Schwinger Lounge

Hosted by Prof. Michael Gutperle

“Temporal entanglement and holography”

Michal Heller (Ghent University)

Abstract: I will discuss incentives to generalize the notion of entanglement from spatial to temporal bipartitions of quantum systems. Subsequently, I will show that temporal entanglement is holographically represented by complex extremal surfaces anchored on real timelike subregions on the asymptotic boundary. Based on [2408.15752](#), [2507.17847](#) and work in progress.