



Department of  
Theoretical Physics

# THE QUANTUM SPACETIME SEMINAR SERIES

## Pythons in Unexpected Places

(Zoom Seminar)

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**Date:** November 22, 2021

**Time:** 6.30 PM IST

Zoom link shall be shared separately

I'll discuss the recent connections between ignorance of high complexity, subdominant saddles in the gravitational replica trick, and Hawking's calculation in the context of the "strong" Python's Lunch proposal. I will further argue both in the classical and semiclassical regimes that nonminimal quantum extremal surfaces are the exclusive source of exponential complexity in the AdS/CFT dictionary. Based on work with Geoff Penington and Arvin Shahbazi-Moghaddam.