



ICTS String Seminar

Title : Black holes: Endgame

Speaker : Shoy Ouseph (New York University Abu Dhabi, UAE)

Date : Monday, 11 May 2026

Time : 3:30 PM (IST)

Abstract : We study the endpoint of black hole evaporation in JT gravity with matter coupled to an external bath. Semiclassically, evaporation can get trapped near a false vacuum instead of reaching the true traversable wormhole ground state. This suggests that the endgame requires genuine non-perturbative physics. To model this process, we adapt the non-perturbative bulk inner product construction of Luca et al. (2024) to one-boundary JT with end-of-the-world branes (EWBs). We then implement a Monte Carlo simulation of JT with EWBs coupled to a bath and use it to study bath-induced tunneling between brane flavors.

Venue : Chern Lecture Hall

Zoom Link: <https://icts-res-in.zoom.us/j/88092766911?pwd=R3ZrVk9yeW96ZmQ4ZG9KRzVhenRKZz09>

Meeting ID: 880 9276 6911

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