



## **ICTS String Seminar (HYBRID)**

**Title** : The final state proposal: Making sense of measurement probabilities & prescription for computing entropy.

**Speaker** : Ahmed Almheiri (NYU, Abu Dhabi)

**Date** : Wednesday, 26<sup>th</sup> April 2023

**Time** : 03:00 pm (IST)

**Abstract** : I will discuss the status of the Horowitz-Maldacena final state proposal as a mechanism for allowing information to escape a black hole while also maintaining a smooth horizon. I will explain the measurement paradox of Bousso-Stanford and a possible resolution inspired by replica wormholes and its limitations. Finally, I will discuss work in progress proposing a method to compute entanglement entropy in the presence of a final state.

**Venue** : **Offline:** Madhava Lecture Hall (ICTS)

**Online:** Please click the below link to join the seminar.

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

Meeting ID: 880 9276 6911

Passcode: 232322