

ICTS Statistical Physics Journal Club Seminar Part -II

- Title** : Recent developments in the information paradox
- Speaker** : Suvrat Raju (ICTS – TIFR, Bengaluru)
- Date** : Wednesday, 07th September 2022
- Time** : 03:00 pm (IST)
- Abstract** : I will review some recent developments in the study of black holes and the information paradox. I will describe the importance of classic results from statistical mechanics and quantum-information theory in these developments. I will also explain the unusual localization of quantum information in quantum gravity --- an insight that emerges from a study of black holes but appears to be a more general property of gravitational theories.

References: A pedagogical review aimed at a broad physics audience is:
S. Raju, "Lessons from the information paradox", Phys.Rept. 943 (2022)
<https://doi.org/10.1016/j.physrep.2021.10.001>
(arXiv:2012.05770)

A set of pedagogical lectures is available here:

<https://www.youtube.com/channel/UCJ-YA8uOwUIACfn49iD7TvA/videos?view=0&sort=da&flow=grid>

- Venue** : **Hybrid Mode:**
- Offline: Madhava Lecture Hall
- Online: Please click on the below link to join the seminar

<https://icts-res-in.zoom.us/j/86780889292?pwd=RUUpKOGxGck5FVDRT3dLYjBKaUtuUT09>

Meeting ID: 867 8088 9292

Passcode: 040422