

## ICTS PhD Seminar

Title : Aspects of thermal and conformal field theories

Speaker : Kasi Jaswin (ICTS-TIFR, Bangalore)

Date : Friday, 17<sup>th</sup> September 2021

Time : 11:00 am (IST)

Abstract : In this seminar, I shall be briefly describing some aspects of thermal and conformal field theories based on the following papers :

1. Complex Langevin Dynamics in Large N matrix models - I'll talk about the unitary matrix models and an analytic solution of a new matrix model and compare it with Complex Langevin Simulations.
2. Epsilon-expansion in the Gross-Neveu model from CFT - I'll present a new technique to compute the anomalous dimensions of a class of operators to the leading order without using usual perturbative techniques.
3. Higher Point OTOCs and the bound on Chaos - I'll briefly review the Maldacena-Stanford-Shenker "A bound on chaos" paper and present the formal derivation for higher point OTOCs for a generic QFT.

Online Seminar : Zoom link:  
<https://us06web.zoom.us/j/88566920006?pwd=SUZxcEo5cEh1ZXlkLzFUTG81blNDdz09>  
Meeting ID: 885 6692 0006  
Passcode: 398899