ICTS String Seminar

Title : A fresh look at the large N limit of matrix models and proposal for a new continuum description

Speaker : Gautam Mandal (TIFR, Mumbai)

Date : Tuesday, 13th February, 2024

Time : 03:45PM (IST)

Abstract : We look at subtleties associated with a continuum description of large N matrix models (both zero-dimensional matrices as well as Matrix QM). For matrix QM we review four subtleties with the usual continuum description in terms of the eigenvalue density $\rho(\lambda)$, with special focus on the entanglement entropy formula for matrix QM. We propose a new continuum description, based on earlier work on a similar context for giant gravitons, and show how it resolves all four subtleties. In the case of c=1 matrix model, the new continuum field appears related to a second quantized description of D0 branes.

Venue : Offline: Emmy Noether Seminar Room

Online: Please click on the below link to join the seminar

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

Meeting ID: 880 9276 6911

Passcode: 232322