ICTS String Seminar

Title : Solving 4D Planar Gauge Theory with Integrability and Conformal Bootstrap

Speaker : Nika Sokolova (King's College London,UK)

Date : Tuesday, 06th February, 2024

Time : 03:00 PM (IST)

Abstract : We discuss 4D N=4 SYM theory in the planar limit. We pose the question: how to find the conformal data of the theory? The anomalous dimensions of single-trace "stringy" super conformal primary operators can be numerically computed using the integrability-based Quantum Spectral Curve method, and we go through the recent results. We highlight the strong coupling of the SYM where the spectrum possesses an interesting structure and organizes into the KK-towers. We also discuss lifting the degeneracy of the structure constants of the "stringy" operators at strong coupling and describe the observed patterns.

Venue : Offline: Madhava Lecture Hall

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