ICTS String Seminar

Title : Covariant phase space and L_\infty algebras

Speaker : Atakan Hilmi Firat (University of California, Davis, USA)

Date : Monday, 15 September 2025

Time : 10:30 AM (IST)

Abstract : We propose a symplectic structure for the phase space of a generic Lagrangian field theory formulated in terms of L_\infty algebras. This structure does not require explicit knowledge of the derivative content of the Lagrangian, hence it is applicable to nonlocal theories—to string theory in particular. The proposal is tested in a number of examples and the resulting canonical formalism is described.

Venue : Online
Zoom Link: https://icts-res-in.zoom.us/j/88092766911?pwd=R3ZrVk9yeW96ZmQ4ZG9KRzVhenRKZz09
Meeting ID: 880 9276 6911
Passcode: 232322