



ICTS String Seminar

Title : QCD flux tube model signals in heavy ion collisions

Speaker : Apoorva Patel (ICTS-TIFR, Bengaluru)

Date : Monday, 02 March 2026

Time : 3:30 PM (IST)

Abstract : The flux tube model offers a pictorial description of what happens during the deconfinement phase transition in QCD. The three-point vertices of a flux tube network lead to formation of baryons upon hadronisation. Therefore, correlations in the baryon number distribution at the last scattering surface are related to the preceding pattern of the flux tube vertices, and provide a signature of the nearby deconfinement phase transition. The distribution of vertices has a simple topological feature, which suggests a two-point baryon number correlation signal that should be observable in heavy ion collisions at RHIC and LHC. Such a signal has been observed by ALICE at LHC recently.

Venue : Chern Lecture Hall

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

Meeting ID: 880 9276 6911

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