ICTS String Seminar

Title : Black hole attractor mechanism in gravity with scalar field coupled to gauge fields

Speaker : Jyotirmoy Barman (ICTS-TIFR, Bengaluru)

Date : Thursday, 9 May 2024

Time : 11:00 AM (IST)

Abstract : We first review a new form of attractor mechanism found in rotating N=2 supergravity solution. Then we look at rotating solutions in low energy effective N=4 SUGRA theory of heterotic strings and show that the quantity " S+2 \pi i J" is \beta independent in the locus "\beta \omega = 2 \pi i" where S is entropy , J is angular momentum and \beta is inverse temperature. Then we focus on an algorithm called NJA which helps us generate rotating solutions from given static solution and discuss it's implications on attractor mechanism.

Venue : Emmy Noether Seminar Room

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

Meeting ID: 880 9276 6911
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