



Theoretical Statistics and Mathematics Unit

Indian Statistical Institute

203 B.T. Road, Kolkata - 700108

SEMINAR

Date: August 07, 2026

Time: 4:15 PM

VENUE:

L-Infinity, 5th Floor, A.N. Kolmogorov Bhavan, ISI Kolkata

SPEAKER:

Subhadip Dey

TIFR

TITLE:

Irreducible Groups and Ergodicity on the Boundary

ABSTRACT:

Let G be a noncompact semisimple real Lie group, and let Γ be a discrete subgroup of $G \times G$ that is irreducible, meaning that its projections to both factors are dense. Such groups arise naturally in geometry and dynamics, yet their structure remains poorly understood. In this talk, I will discuss some questions concerning these groups and explain how ergodic properties of their actions on boundary spaces can be used to study them. In particular, I will present recent joint work with Sebastian Hurtado showing that certain irreducible groups cannot decompose as free products and must satisfy strong algebraic constraints.

ALL ARE CORDIALLY INVITED

[Click here for More Seminar Information](#)