



# INDIAN STATISTICAL INSTITUTE

Theoretical Statistics and Mathematics Unit, Kolkata

## Number Theory Seminar

Date: September 19, 2024

Time: 02:30 PM

VENUE:

**L- infinity**

(5<sup>th</sup> Floor, A.N. Kolmogorov Bhavan), ISI Kolkata

TITLE:

**SUBCONVEXITY FOR  $GL(3) \times GL(2)$  IN  $GL(2)$  LEVEL ASPECT**

SPEAKER:

**Ritabrata Munshi**

Stat-Math Unit, ISI, Kolkata

ABSTRACT:

*Let  $\pi$  be an  $SL(3, \mathbb{Z})$  Hecke-Maass cuspform, and let  $f$  be a  $GL(2)$  holomorphic/Maass newform of level  $p^j$  with  $j \geq 2$ , and trivial nebentypus. We use the delta method to prove a level aspect subconvex bound for the Rankin-Selberg  $L$ -function  $L(s, \pi \times f)$ .*

**ALL ARE CORDIALLY INVITED**