



INDIAN STATISTICAL INSTITUTE
Theoretical Statistics and Mathematics Unit, Kolkata

LECTURE

Date: June 06, 2023, Tuesday
Time: 03:00 PM

VENUE:

L-2

(4th Floor, A.N. Kolmogorov Bhavan), ISI Kolkata

TITLE:

Subconvexity for Symmetric Square L-functions Off-Centre

SPEAKER:

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ABSTRACT:

Let p be a prime. Let f be a holomorphic modular form of level p with trivial nebentypus. We prove the bound $L\left(\frac{1}{2} + it, \text{sym}^2 f\right) \ll p^{1/2 + \epsilon} t^{3/2 - 1/12 + \epsilon}$

This is subconvex in the t -aspect and convex in the level aspect simultaneously.

ALL ARE CORDIALLY INVITED