



INDIAN STATISTICAL INSTITUTE
Theoretical Statistics and Mathematics Unit
Kolkata 700108

GRADUATE SEMINAR

Date: **03rd July 2023, Monday**

Time: **11:00 A.M**

Venue: **L-Infinity**

5th Floor, A N Kolmogorov Bhavan,
Theoretical Statistics and Mathematics Unit
Indian Statistical Institute, Kolkata 700108

TITLE

The modular group of automorphisms of a compact quantum group

SPEAKER:

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ABSTRACT:

We will define and study the modular group of automorphisms associated to the Haar state of a compact quantum group. In particular, we will show that it is a KMS state.

We will also define the reduced form of a compact quantum group and show that the Haar state of this reduced form is faithful. It will follow that the reduced form has the same corepresentation theory as the original compact quantum group.

ALL ARE CORDIALLY INVITED