

THE UNIVERSITY



OF HONG KONG

Department of Mathematics

## Number Theory Seminar

### The local non-tempered Gan--Gross--Prasad conjecture for general linear groups

**Dr. Kei Yuen Chan**

Shanghai Center of Mathematical Sciences,  
Fudan University, China

#### Abstract

Recently, Gan--Gross--Prasad proposed new conjectures on branching laws of the non-tempered representations arising from Arthur packets. In this talk, I shall introduce some of those conjectures and some progress. I will also explain my work on a proof on the local conjecture for general linear groups.

Date: July 30, 2021 (Friday)

Time: 3:00pm (Hong Kong Time)

Venue: Room 210, Run Run Shaw Bldg., HKU  
and

ZOOM: <https://hku.zoom.us/j/>

Meeting ID: 979 0916 1895

*All are welcome*