MIHIR DEO, University of Ottawa Signed *p*-adic *L*-functions of Bianchi modular forms

Let $p \ge 3$ be a prime number. Let K be an imaginary quadratic field in which p splits. Let \mathcal{F} be a cuspidal Bianchi eigenform of weight (k, k) over K, where $k \ge 2$ is an integer. In this talk, we will discuss two scenarios of the decomposition of unbounded p-adic L-functions into a linear combination of signed p-adic L-functions in the spirit of Lei-Loeffler-Zerbes, Pollack, and Sprung.

The first half of the talk is about decomposing the two-variable *p*-adic *L*-functions $L_p(\mathcal{F})$ constructed by Williams for small slope cuspidal Bianchi eigenforms \mathcal{F} , which are non-ordinary at both the primes above *p*.

In the other half, we discuss a work in progress on p-adic Asai L-functions of Bianchi modular forms. We generalize the construction of Loeffler-Williams in the ordinary case to the non-ordinary case, giving rise to unbounded distributions, which we decompose into bounded measures.