

abstract

Joint IAS/PU Number Theory Seminar
Topic:

Speaker:

Affiliation:

Date:

Time/Room:

I will report on the construction of p -integral models of various algebraic compactifications of PEL-type Shimura varieties and Kuga families, allowing ramification (including deep levels) at p , with good behaviors over the loci where certain (multiplicative) ordinary level structures are defined. (We know almost nothing about the non-ordinary loci when p is ramified, but this theory is still sufficient for at least one important application.) This is a somewhat notorious subject, but I will try to begin with motivations and qualitative descriptions that might (it is hoped) make things easier.