



Algebra and Number Theory Seminar

Title: Reduction of abelian varieties with complex multiplication and its first truncated Barsotti-Tate group schemes

Speaker: Dr Alexey Zaytsev (Sch. Math Sc., UCD)

Date: Mon 4th April 2011 at 4:00PM

Location: Mathematical Sciences Seminar Room

Abstract: Let A be an abelian variety over a number field L with complex multiplication by the full ring of integers \mathcal{O}_K for some CM field K . We consider a good reduction at a prime ideal S in L of the Tate group scheme $(A \otimes \mathbb{Z})[p]$.