

UBC Number Theory Seminar: November 24, 2021

Speaker: Ashay Burungale (Caltech/University of Texas, Austin)

Title: A conjecture of Rubin

Abstract: In 1987, with an eye towards anticyclotomic Iwasawa theory of CM elliptic curves at inert primes, Rubin proposed a basic conjecture on the structure of Iwasawa module of local units over anticyclotomic extensions of the unramified quadratic extension of \mathbb{Q}_p . The talk will report on recent proof of Rubin's conjecture and some of subsequent developments (joint with S. Kobayashi and K. Ota).