



Probability Seminar

Title: Large deviations of Selberg's CLT: upper and lower bounds

Speaker: Emma Bailey (University of Bristol)

Date: Wed 20th November 2024 at 2:00PM

Location: E0.32 (beside Pi restaurant)

Abstract: Selberg's CLT informs us that the logarithm of the Riemann zeta function evaluated on the critical line behaves as a complex Gaussian. It is natural, therefore, to study how far this Gaussianity persists. This talk will present results on atypically large values, and on averages of $(1/2+it)$ as a corollary. The work featured is joint with Louis-Pierre Arguin and Asher Roberts. No number theoretic knowledge will be presumed!