

SPEAKER: Rizwanur Khan (UT Dallas)

TITLE: The fourth moment of truncated Eisenstein series on average

ABSTRACT: It is conjectured that the (truncated) Eisenstein series $E(z, 1/2+iT)$ behave like random waves as T tends to infinity (a similar statement exists for cusp forms), and one way to make this precise is to conjecture that its moments match the moments of a normal random variable. In this talk I will discuss joint work with Goran Djankovic in which we prove the conjecture for the fourth moment, in an average sense.