

---

**BRAD RODGERS**, Queen's University  
*Primes in short intervals in number fields*

In this talk I hope to discuss different analogies for the notion of a short interval in algebraic number fields, and in particular discuss a classical conjecture of Goldston and Montgomery about the distribution of primes in short intervals in this more general setting. As we will see for some notions of a short interval their conjecture appears to carry over naturally, while for other notions it appears to not. This is based off the computation of sums of singular series in this setting. This is joint work with Vivian Kuperberg and Edva Roditty-Gershon.