

Title: Cosmological sources of gravitational waves in the pulsar timing array band

Abstract: Pulsar timing arrays (PTAs) will detect the stochastic background produced by mergers of supermassive black holes in the next few years. In this talk I will discuss three additional sources of gravitational waves in the nanohertz band which produce a stochastic background of gravitational waves: cosmic strings, inflation, and phase transitions. I will discuss our prospects for detecting these sources in addition to the background from supermassive black holes.