Physics Seminar: Monica Pate
Wednesday, March 12 · 2:00 – 3:00pm

Title: Aspects of Symmetry and Locality in Celestial Holography

Abstract: The central goal of the celestial holography program, in the broadest terms, is to formulate a version of the holographic correspondence for asymptotically flat spacetimes. Efforts in celestial holography historically have been largely dominated by bottom-up approaches, in which universal features of gravitational scattering have been shown to admit natural interpretations in terms of lower-dimensional non-gravitational physics. In particular, the symmetries of asymptotically flat spacetimes have been the central focus of a large number of studies. In this talk, I will elaborate on the subtle relationship between these symmetries and the prospects for the holographic dual to be a local field theory.