

March 9, 2022
ZOOM

Speaker: Natalie Paquette

Title: "Some gauge theory amplitudes from chiral correlators"

Abstract: "I will discuss recent work in collaboration with Kevin Costello (arXiv:2201.02595). We propose a new formula for computing certain form factors and scattering amplitudes in gauge theory in terms of correlation functions of a 2d chiral algebra. The chiral algebra that appears is closely related to one appearing in the celestial holography program. We explain the connection between the 4d amplitudes and 2d correlation functions via a 6d holomorphic theory on twistor space."