

David Skinner – Twistors, Integrability and 4d Chern-Simons Theory

Monday 27 September 2021 11:30 (1 hour)

Costello, Witten & Yamazaki have recently introduced a new approach to 2d integrable systems based on a variant of Chern-Simons theory living in 4d. I'll review this story, and show how it is deeply connected both to Lionel's work on the twistor construction of integrable systems, and to his more recent work on scattering amplitudes in four dimensional gauge theories.