

AdS three-body problem at large spin

Friday, 23 February 2024 11:00 (45 minutes)

Motivated by the problem of understanding multi-twist operators in general CFTs, I will discuss the large-spin leading-twist three-particle states in AdS. In particular, I will explain that thanks to the AdS curvature this particular limit of the three-body problem is tractable. The large spin limit effectively becomes a semiclassical limit of a Berezin-Toeplitz Hamiltonian, which allows us to analyze the leading-twist spectrum analytically. Work in progress with Jeremy Mann.

Presenter: MANN, Jeremy (King's College London)