Physics Seminar: Herman Verlinde
Wednesday, November 6 · 2:00 – 3:00pm

Location: 313

Title: Double scaled SYK correlators from N=2 supersymmetric gauge theory

Abstract: I describe a new exact correspondence between correlation functions in the double scaled SYK model and Schur indices in 4D N=2 Seiberg-Witten theory. The operator algebra on both sides of the duality is isomorphic to the algebra of Wilson lines in SL(2,C) Chern-Simons theory on the punctured sphere. I comment on the relation with the complex Liouville string and on the potential application of these results to low dimensional de Sitter holography.