

Frank Ferrari (Universite Libre de Bruxelles)

Title: "CFT1, SYK Models and Holographic Boundary Condition Changing Operators"

The SYK model provides a remarkable bridge between condensed matter theory, black hole physics and holography. In my presentation, I will explain how a surprising feature of conformal field theories in one dimension - the logical possibility of associating *two* distinct conformal dimensions to a primary operator - can be realised both in interesting generalizations of the usual complex SYK models and in AdS2 holography.