

Marika Taylor: "Holography beyond conformality"

Thursday 21 June 2018 14:00 (45 minutes)

The original examples of dualities between gravity and quantum field theories involved conformal field theories, both in conformal phases and in spontaneously/explicitly broken symmetry phases. In this talk we will discuss geometric duals of irrelevant deformations of conformal field theories. While generically irrelevant deformations are viewed as being uncontrolled, holography picks out various classes of irrelevant deformations for which precise descriptions are possible. We will describe these and then discuss various applications of such holographic theories.

Session Classification: Afternoon session