

Phase Transitions and Entanglement Entropy in AdS₃/WCFT₂

Abstract: In this talk, first, I review the different aspects of Warped CFTs and also WAdS/WCFT duality. Then I discuss the Hawking-Page phase transitions for asymptotically Warped AdS₃ black holes (plus other solutions) in the Topological and New Massive Gravities, in two different thermodynamical ensembles. Then, I will discuss the recent results in calculating the holographic entanglement entropy of Warped CFTs, with special emphasis to solutions of New Massive Gravity.