

THE STRING THEORY UNIVERSE - 22nd European string workshop and Final COST MP1210 Conference



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Talk 2: Ioannis Papadimitriou

Monday 20 February 2017 11:50 (20 minutes)

Title: AdS₂ holography and non-extremal black holes

I will present aspects of AdS₂ holography for a specific Einstein-Maxwell-Dilaton model that is obtained by Kaluza-Klein reduction from pure AdS₃ gravity with negative cosmological constant. In particular, I will derive the one-dimensional holographic dual for both running and constant dilaton solutions, and I will discuss the connection with the Sachdev-Ye-Kitaev model. Finally, I will explain how this dilaton gravity model provides a holographic description for four-dimensional asymptotically conformally AdS₂ × S² non-extremal black holes. The talk is based on the recent paper <https://arxiv.org/abs/1608.07018>. NOTE: Topic of talk may change