

Tuesday, February 27th @ 2pm  
Schwinger Lounge

## “Thermodynamics of Near Extremal Black Holes in $\text{AdS}(5)$ .”

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**Abstract:** The phase diagram of near extremal black holes is surprisingly rich. In some regimes quantum effects are so strong that they dominate. On the supersymmetric locus there is a large ground state degeneracy protected by a gap. Throughout, there is an intricate classical interplay between charge and rotation. The talk reviews some of the physical mechanisms.