



Department of
Theoretical Physics

Tata-Infosys Lecture Series

Black holes in AdS/CFT

Seok Kim

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Date / Time :

28th January, 2019, 11.30 am

29th January, 2019, 02.30 pm

1st February, 2019, 11.30 am

Venue: A-304, TIFR



We study the index of large N SCFTs with gravity duals, and account for the thermodynamics of certain supersymmetric AdS black holes. More concretely, we shall: explore a generalized Cardy formula for higher dimensional SCFT and use it to count large supersymmetric AdS black holes; explore deconfinement phase transitions; study novel large N and large charge saddle points which exhibit certain features reminiscent of hairy black holes, among others.