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Black(ish) Holes (Arnab Kundu)

Saturday 8 February 2025 16:30 (45 minutes)

Speaker: Arnab Kundu

Abstract: In this talk, we will review some recent progress on understanding how an ad hoc Dirichlet boundary that is placed in front of an event-horizon can capture certain quantum chaotic features of the black hole one-loop determinant sector. We will further discuss how quasi-normal modes are encoded within the corresponding normal modes. We will also comment on how this emergence of quasi-normal modes is connected to a notion of “weak” and a “strong” thermalization, as well as associated thermal features.