



Department of
Theoretical Physics

THE QUANTUM SPACETIME SEMINAR SERIES

SYK-chaotic and Global Charges

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Date: Nov. 13, 2017

Time: 11.30 am

Venue: A-304, TIFR



In this talk, I will briefly discuss the effect of conserved charges on the quantum chaotic properties of an SYK-type model. The treatment is simple and semi-analytic, which yields a Lyapunov exponent as a sensitive function of the chemical potential. I will also comment on the motivations for studying such models, from a holographic perspective. I will end with speculations and some words on ongoing works.