

Current Position

Postdoctoral Associate
University of Maryland

July 2026 - present
College Park, MD

Education

Doctorate of Philosophy in Physics
University of Houston

August 2021 - May 2026
Houston, TX

Bachelor of Science in Physics; Minor in Mathematics
University of Illinois at Urbana-Champaign

August 2016 - May 2020
Urbana, IL

Publications

[1] **S. Jindal**, and P. Hosur, “Eigenstate chaos in the presence of non-Abelian symmetries,” (2026), arxiv:2605.30798.

[2] **S. Jindal**, and P. Hosur, “Generalized free cumulants for quantum chaotic systems,” J. High Energ. Phys. 2024(9), 66 (2024).

[3] M.O. Flynn, T.E. Baker, **S. Jindal**, and R.R.P. Singh, “Two Phases Inside the Bose Condensation Dome of $\text{Yb}_2\text{Si}_2\text{O}_7$,” Phys. Rev. Lett. 126(6), 067201 (2021).

Invited Talks

Quantum Thermodynamics Seminar
Eigenstate chaos in the presence of non-Abelian symmetries

QulCS, University of Maryland
Feb. 2026

Analysis Seminar
Free Probability in Quantum Many-Body Chaos

Math Department, University of Houston
Mar. 2025

Student Seminar
Eigenstate Thermalization in the Presence of Symmetries

Texas Center for Superconductivity, University of Houston
Feb. 2025

Rice Quantum Initiative Seminar
Universal features of entanglement from eigenstate randomness

Rice Quantum Initiative, Rice University
Dec. 2024

Condensed Matter Theory Seminar
Generalized Free Cumulants for Quantum Chaotic Systems

Physics Department, University of California, San Diego
Feb. 2024

Referee Experience

Physical Review X Quantum
Journal of High Energy Physics

Teaching Experience

Laboratory Assistant
College Physics 1

University of Houston
Fall 2021; Spring 2022