



Lecture course, summer semester 2023:

## Introduction to the Theory of Quantum Chaos

- Nonlinear dynamics and chaos in dynamical systems
- “Quantum Chaos: is there any?”
- Quantum signatures of chaos
- Quantum localization
- Quantum-mechanical stochastic webs

The lectures will be conducted in five full-day block sessions during the summer vacations — a short **“Summer School on Quantum Chaos”**:

02.09.2023 (Saturday) and 03.09.2023 (Sunday)

16.09.2023 (Saturday) and 17.09.2023 (Sunday)

23.09.2023 (Saturday)

10:00 am – 4:00 pm, Hörsaal KP 404, Institute of Theoretical Physics

Everybody is welcome to join. In case you could not make it to the introductory session, please get in touch with me to be briefed about the details.