



Institute colloquium

Quantum dynamics of systems featuring long sequences of events

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The purpose of this lecture is to explain how, in quantum mechanics, interesting information about a physical system can be reconstructed from long streams of data concerning primitive events featured by the system. Examples of experiments on concrete systems, such as experiments measuring the number of photons trapped in a cavity, conducted at the Ecole Normale Supérieure in Paris, will be considered. A brief sketch of a new approach to understanding the appearance of particle tracks - "Mott tracks" - in suitably chosen detectors will be presented. The lecture will end with remarks on the meaning of events and on the time evolution of states, as described by the "ETH approach to Quantum Mechanics".

Monday, April 23, 2018 04:00pm - 05:00pm

Raiffeisen Lecture Hall, Central Building



This invitation is valid as a ticket for the ISTA Shuttle from and to Heiligenstadt Station. Please find a schedule of the ISTA Shuttle on our webpage: <https://ista.ac.at/en/campus/how-to-get-here/> The ISTA Shuttle bus is marked ISTA Shuttle (#142) and has the Institute Logo printed on the side.