



Quantum Colloquium

“The quantum limits of precision and timekeeping”

Marcus Huber

TU Wien

Host: Maksym Serbyn

Abstract: Fluctuations are a fundamental part of all physics related to irreversible processes. As we zoom in and look at more fundamental constituents, these fluctuations are increasingly relevant for the thermodynamics of quantum systems and in consequence to the fundamental limits of quantum engineering. Focusing on the paradigmatic task of timekeeping, I will elucidate how fluctuations come into play and how quantum coherence can actually be leveraged to exponentially beat some well established classical limits.

Tuesday, November 19, 2024 11:00am - 12:00pm

Office Building West/Ground Floor/Heinzel Seminar Room



This invitation is valid as a ticket for the ISTA Shuttle from and to Heiligenstadt Station.

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<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.