

# **Quantum processes: divisibility, Markovianity and classicality**

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In my talk I introduce fundamental concepts concerning the divisibility of quantum and classical dynamical maps. I discuss the notion of quantum Markovianity in terms of dynamical maps (divisibility) and explore the multitime statistics of a process using the quantum regression formula. Additionally, I delve into the concept of classicality, providing illustrations and discussions specifically focusing on amplitude damping and dephasing processes.