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Quantum impurities in 1D chains and ladders (ONSITE presentation)

mercredi 25 août 2021 14:00 (1 heure)

How an environment can modify the physical properties of a quantum particle is a long standing question. I will discuss this physics both for quantum bosonic chains for which the presence of the bath can lead to subdiffusion, but also for bosonic ladders for which the transverse degrees of freedom play a crucial role. I will discuss these theories in connection with experiments in cold atomic gases.

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