



Mathematics and CS Seminar

Upper bound for the energy of a confined gas of hard sphere bosons

Benjamin Schlein

University of Zürich

Host: Laszlo Erdős

We prove an upper bound for the ground state energy of a confined gas of N bosons, optimal up to errors vanishing as N tends to infinity. We consider particles moving on the three-dimensional unit torus, interacting through a hard sphere potential with radius of order $1/N$ (Gross-Pitaevskii regime). This is joint work with G. Basti, S. Cenatiempo, A. Olgiati and G. Pasqualetti.

Thursday, December 2, 2021 04:15pm - 05:15pm

Online via Zoom



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.