IST AUSTRIA
Institute of Science and Technology

Mathematics and CS Seminar

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

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Host: Laszlo Erdös

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

IST Austria Campus Online via Zoom

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