

Mathematisches Oberseminar *PDG und Spektraltheorie* (WiSe 2014/15).

Date: 13.11.2014.

Time and place: 14:15 in B 134.

Speaker: Phan Thành Nam (IST Austria).

Titel: *Many-body Gibbs states of bosons in a mean-field limit.*

Abstract:

We consider many-body Gibbs states of bosons in a mean-field limit where the temperature T diverges and the interaction behaves as $1/T$. We will show that in the limit the free energy and the reduced density matrices of the Gibbs states can be characterized using an effective one-body Gibbs measure.

This is joint work with M. Lewin and N. Rougerie.

Thomas Østergaard Sørensen