Mathematisches Oberseminar *PDG und Spektraltheorie* (WiSe 2013/14).

Date: 31.10.2013.
Time and place: 14:15 in B 134.

Speaker: Leander Geisinger (Princeton University).
Titel: *The ground state energy of a polaron in a strong magnetic field.*
Abstract:
We show that the ground state of a polaron in a homogeneous magnetic field of strength B and its energy are described by an effective one-dimensional minimization problem in the limit $B \to \infty$. This holds both in the linear Fröhlich and in the non-linear Pekar model and we describe how these models are related. This is joint work with Rupert L. Frank.

Thomas Østergaard Sørensen