



Leibniz
Universität
Hannover

Oberseminar Analysis und Theoretische Physik

Prof. Dr. Volker Bach

Technische Universität Braunschweig

Hartree-Fock Theory and its Generalizations

In the talk the Hartree-Fock (HF) approximation in quantum mechanics will be reviewed. The following particular aspects will be discussed:

- Accuracy of the HF approximation,
- Lieb's variational principle and its generalizations,
- generalized HF approximation,
- symmetries and restricted HF approximation.

**Dienstag, 13.06.2023, 15:00 Uhr, Raum c311
Hauptgebäude der Leibniz Universität**

Dazu laden herzlich ein:

Prof. Dr. Wolfram Bauer, Prof. Dr. Joachim Escher, Prof. Dr. Johannes Lankeit,
Prof. Dr. Elmar Schrohe, Prof. Dr. Christoph Walker