

**Prof. Dr. P. D. Esquinazi**  
**Prof. Dr. B. Rosenow**



**UNIVERSITÄT LEIPZIG**

**Fakultät für Physik und Geowissenschaften**

Institute für Physik

# Physik-Kolloquium

**Dienstag, den 01.11.2011, 17:00 Uhr**

**Prof. Dr. Ady Stern**

Department of Condensed Matter Physics,  
Weizmann Institute of Science, Rehovot, Israel

## **Proposed experimental probes of non-abelian anyons**

I will describe the non-abelian quantum Hall effect, how its excitations become non-abelian anyons, and how they may be used for topological quantum computation. I will then focus on several proposed experiments that can serve as litmus tests for identifying non-abelian anyons.

My talk will assume NO PRIOR KNOWLEDGE of any of these scary looking concepts.

**Ort: Hörsaal für Theoretische Physik, Linnéstraße 5**

**Alle Teilnehmer sind ab 16:30 Uhr zu Kaffee vor dem Hörsaal eingeladen.**