

Prof. Dr. P. D. Esquinazi
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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.