CO.CO.MAT
CONTROL OF QUANTUM CORRELATIONS IN TAILORED MATTER
SFB/TR 21 – STUTTGART, ULM, TÜBINGEN

Kolloquium

Prof. Dr. Jürgen König
(Universität Bochum)

Aharonov-Bohm Interferometry with Interacting Quantum Dots

Electronic transport through quantum dots is strongly affected by Coulomb interaction. The presence of quantum coherence, on the other hand, is detectable through interference experiments, most notably Aharonov-Bohm interferometry. In this talk, we study the interplay of Coulomb interaction and interference in Aharonov-Bohm interferometers, i.e., multiply-connected geometries that contain one or two quantum dots.

Wann? Freitag, 05.05.2006, 15:30 Uhr

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