



Physikalisches Kolloquium

Klaus Kern, MPI Stuttgart & EPF de Lausanne, CH

»Magnetism of Atomic-Scale Nanostructures«

Einführung: M. Wegener

The physical and chemical properties of nanometer-scale structures are unique functions of their size and shape, and can be very different from those of bulk matter. Particularly fascinating phenomena occur if the nanostructures are subject to lateral boundary conditions on a length scale where quantum behavior prevails. Recent experimental advances have provided the unique ability to fabricate and characterize magnetic nanostructures with dimensions comparable to the exchange interaction length. I will survey our recent experimental results in the detection and manipulation of magnetism at the spatial limit.

**Freitag, 17.11.2006, 17 Uhr c.t.,
Universität Karlsruhe (TH), Otto-Lehmann-Hörsaal, Physik-Flachbau (Geb. 30.22).
Anschließend Nachsitzung im Gastdozentenhaus „Heinrich Hertz“**