



Prof. Dr. W. Janke

UNIVERSITÄT LEIPZIG

Fakultät für Physik und Geowissenschaften

Institute für Physik

Prof. Dr. F. Cichos

Prof. Dr. K. Kroy

gemeinsames

Physik-/ NTZ-Kolloquium

Donnerstag, den 27.11.2008, um 17:00 Uhr

Prof. Dr. Peter Young

University of California, Santa Cruz, Physics Department

Phase Transitions in Spin Glasses

Whereas there has been a general consensus for some time that Ising spin glasses have a transition at finite temperature in zero field in three dimensions, there has not been general agreement on two other questions concerning phase transitions in spin glasses in three dimensions: (i) is there a transition at finite temperature in isotropic vector spin glasses (such as Heisenberg), and (ii) is there a phase transition (AT line) in a magnetic field in Ising spin glasses? By using Monte Carlo simulations, analyzed with finite-size scaling, I will argue that the answer to the first question is "yes", and to the second question is "no".

Ort: Hörsaal für Theoretische Physik, Linnéstraße 5

Alle Teilnehmer sind ab 16:30 Uhr zu Kaffee und Gebäck in die Aula eingeladen.