

EINLADUNG

zum Vortrag von

Prof. Dr. Christian van den Broeck

Dept. WNI, Limburgs Universitaire Centrum, Belgium

über

From Maxwell demon to Brownian motor

am

Dienstag, dem 19. April 2005, um 17.30 Uhr

im Großen Hörsaal des Instituts für Experimentalphysik der Universität Wien
1090 Wien, Strudlhofgasse 4 / Boltzmannngasse 5, 1. Stock

Abstract:

We show that the Feynman ratchet and pawl construction is unnecessarily complicated and can be replaced by a microscopic model. The latter can be investigated in great detail by hard disk molecular dynamics while an exact analytic analysis is possible in the limit of dilute gases.