

Eugene Wigner Colloquium

joint event of GRK 1558 and SFB 910



Prof. Klaus Kroy

Universität Leipzig

“Non-isothermal Brownian motion”

The classical theory of Brownian motion rests on fundamental laws of statistical mechanics, such as the equipartition theorem and the fluctuation-dissipation theorem, which do not hold under non-isothermal conditions. I will discuss the generalized fluctuation-dissipation relations and Langevin equations governing such non-isothermal Brownian motion, including explicit results for the frequency-dependent noise temperature and Brownian thermometry far from equilibrium.

Thursday, 05.06.14 · 16:15h · EW 202

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