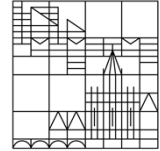


# Physikalisches Kolloquium

Universität  
Konstanz

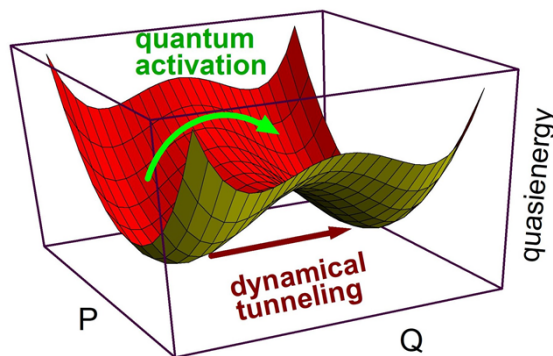


Di 05.06.18  
15:15 Uhr  
14:45 Uhr, Kaffee/Tee  
R 513



**Prof. Dr. Mark Dykman**  
Michigan State University

## Physics of and with nonlinear oscillators



Recent progress in nano- and micromechanics and the emergence of circuit quantum electrodynamics have brought forward the need to understand mesoscopic vibrational systems. Because these systems are small, fluctuations and nonlinearity play a significant role in their dynamics. We will discuss some consequences of the interplay of the fluctuations and nonlinearity. Mesoscopic oscillators make it possible also to study physics far from thermal equilibrium in the well-characterized setting. Of particular interest in this respect is Floquet dynamics, including the “time-crystal” effect in coupled nonlinear oscillators.