



TRR 80 Sonderseminar

Am Montag, den 24. April um 16:30 Uhr

spricht

Prof. Dr. Rosario Fazio

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über das Thema

Dissipative phase transitions in synthetic matter

Thanks to the recent impressive experimental progresses, the investigation of non-equilibrium properties of driven-dissipative systems in quantum systems has received an impressive boost. This activity revived the study of dissipative phase transition in synthetic matter, originally started with Josephson junction arrays. Rydberg atoms in optical lattices, systems of trapped ions, exciton-polariton condensates, cold atoms in cavities, arrays of coupled QED cavities, are at present the most intensively investigated experimental platforms in relation to this aim. The predicted steady-state phase diagram of these driven dissipative systems becomes incredibly rich, displaying a variety of phenomena. I will discuss several aspects that are peculiar of these systems, not shared with the conventional picture we have at equilibrium. I will discuss in particular the possible existence of exotic phases in the steady state.

Gäste sind herzlich willkommen.

Der Vortrag findet im Hörsaal T-1004, Institut für Physik,
Universität Augsburg statt.

Gastgeber: Prof. Dr. Ulrich Eckern
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