

NONTHERMAL ELECTRONIC ORDERS IN PHOTO-DOPED MOTT SYSTEMS

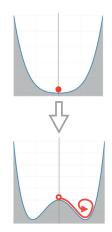
PHILIPP WERNER

University of Fribourg, Switzerland An ambitious goal in the field of condensed matter physics is the nonequilibrium control of material properties. In recent years, striking examples have been demonstrated both experimentally and in numerical simulations. In the case of photo-doped Mott systems, different mechanisms underlying the appearance of nonthermal electronic orders have been identified and explored. I will give an overview of the insights gained from model studies based on nonequilibrium dynamical mean field theory.

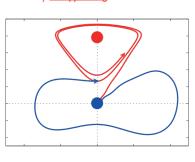
FRIDAY, 28.10.2022

2:00 PM

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thermal-like symmetry breaking induced by entropy cooling



nonthermal symmetry breaking resulting from entropy trapping

