IMPRS UFAST

MAX-PLANCK-GESELLSCHAFT

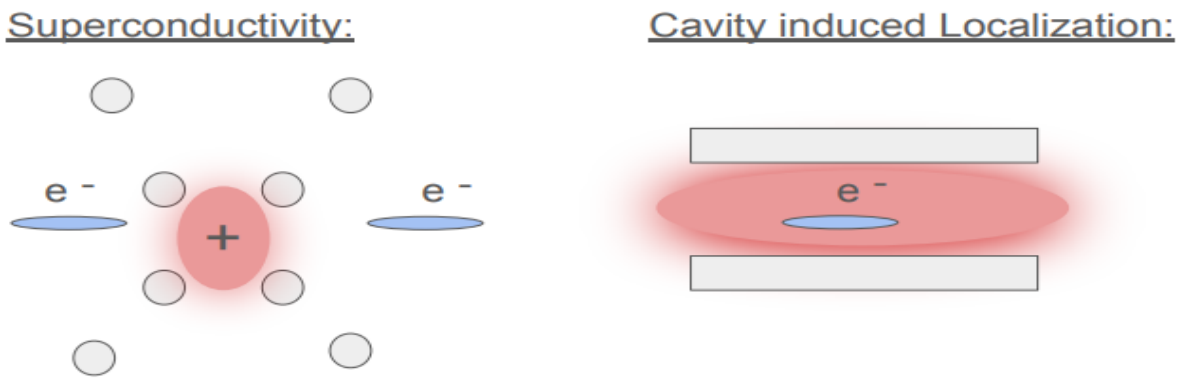
IMPRS UFAST focus course

Non-gaussian states: Dressing of electrons by phonon and photon quantum fluctuations

Marios Michael

Abstract:

This course is applicable for students working in the fields of cavity - matter hybrids, light - matter interaction and electron lattice interaction. In this course we will learn how to develop perturbative and non-perturbative techniques through the variational principle to address electron phonon and electron photon systems. In particular, we will focus on how quantum and thermal fluctuations of bosonic modes can influence phases of matter of electrons. The goal of this course will be to teach students the framework of non-gaussian states to address fermion - boson systems.



Building 99 (CFEL) , Seminar room O2.068

2nd - 6th December

13:30 h – 16:30 h

Register on Geventis I-UF C5

Registration deadline: 27th November 2024

CFEL SCIENCE

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