

Virial relations for electrons coupled to quantum field modes (canceled)

Friday, 6 November 2020 12:30 (20 minutes)

In this talk, a set of virial relations for many electron systems coupled to both classical and quantum fields will be presented [1]. The setting for which these relations hold is the Pauli–Fierz Hamiltonian. Recently, there is growing interest in solutions of this Hamiltonian due to its relevance for describing molecular systems strongly coupled to photonic modes in cavities, and in the possible modification of chemical properties of such systems compared to the ones in free space.

[1] Virial relations for electrons coupled to quantum field modes
Iris Theophilou, Markus Penz, Michael Ruggenthaler, and Angel Rubio
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Primary author: Dr THEOPHILOU, Iris (Max Planck Institute for the Structure and Dynamics of Matter)

Presenter: Dr THEOPHILOU, Iris (Max Planck Institute for the Structure and Dynamics of Matter)

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