



Contribution ID: 45

Type: **not specified**

Secondary instabilities of 2D altermagnets

Wednesday 25 September 2024 16:20 (30 minutes)

We explore the possible weak coupling instabilities of the 2D Hubbard model with existing altermagnetic order, within a truncated unity functional renormalization group (tUfRG) framework. We find that as a function of chemical potential the system exhibits instabilities towards distinct SDW orders that coexist with the altermagnetic order. We also find that the system exhibits superconducting instabilities for several parameter regimes.

Presenter: PARTHENIOS, Nikolaos

Session Classification: Parallel B