



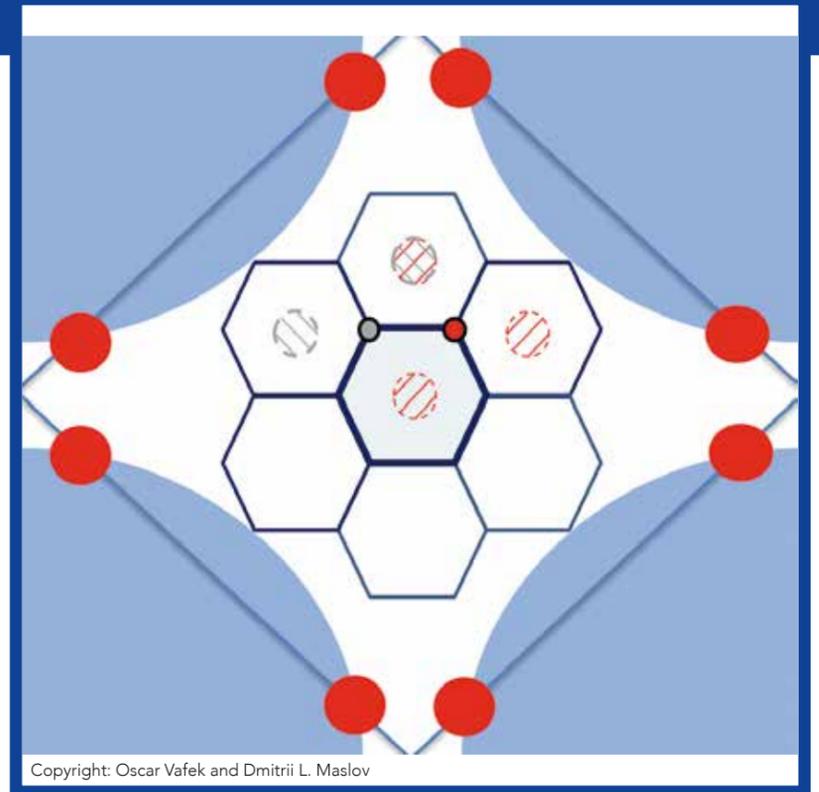
Quantum Criticality and Topology in Correlated Electron Systems

International Seminar & Workshop 5 - 16 August 2019 (workshop week: 5 - 9 August 2019)

Strongly correlated electron systems are the main focal point of condensed matter physics. A rich variety of phases, from unconventional superconductors to correlated topological matter, is attractive both from the fundamental and technological points of view. Key questions include intertwined orders, electronic matter without quasiparticles, and interplay in interactions and topology.

Topics:

- Electron transport without quasiparticles
- Intertwined orders in the cuprate and iron-based superconductors
- Correlated phases in twisted bilayer graphene
- Correlated topological matter
- Frustrated magnetic phases
- Anti-adiabatic superconductivity
- Dynamics of quantum phase transitions



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Invited speakers:

James Analytis (US)
Eva Andrei (US)
Leni Bascones (ES)
Kamran Behnia (FR)
Erez Berg (IL)
Andrei Bernevig (DE)
Sergey Borisenko (DE)
Hitesh Changlani (US)
Cory Dean (US)
Rafael Fernandes (US)
Liang Fu (US)
Sean Hartnoll (US)
George Jackeli (US)
Jian Kang (US)
Amit Kanigel (IL)
Aharon Kapitulnik (US)
Avraham Klein (US)
Leonid Levitov (US)
Andrew Mackenzie (DE)
Yuji Matsuda (JP)
Roderich Moessner (DE)
Natalia Perkins (US)

Nicola Poccia (DE)
Jonathan Ruhman (IL)
Subir Sachdev (US)
Jörg Schmalian (DE)
Takasada Shibauchi (JP)
Dam Thanh Son (US)
Hidenori Takagi (DE)
Senthil Todadri (US)
Ronny Thomale (DE)
Yuxuan Wang (US)

Scientific coordinators:

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Tallahassee (US)

Organisation:

Maria Voigt
MPIPKS Dresden

Applications received before 30 April 2019 are considered preferentially.

Applications are welcome and should be made by using the application form on the event's web page. The number of attendees is limited. The registration fee for the international seminar and workshop is 140 Euro and should be paid by all participants. Costs for accommodation and meals will be covered by the Max Planck Institute. Limited funding is available to partially cover travel expenses.

For further information please contact:

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