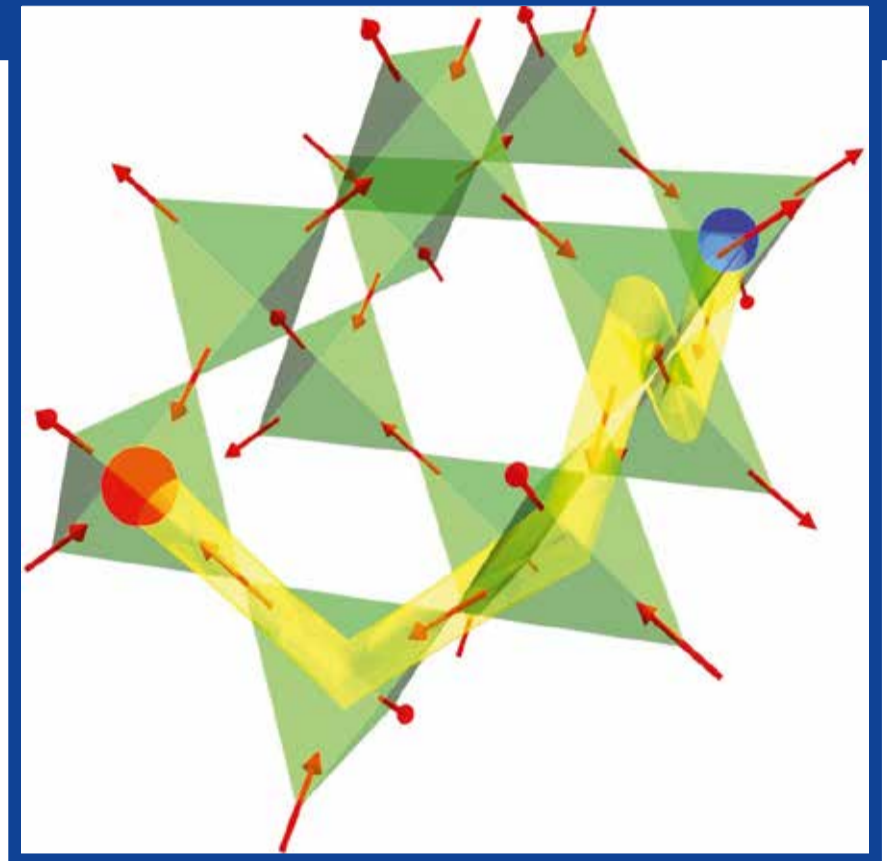




Topological Phenomena in Novel Quantum Matter: Laboratory Realization of Relativistic Fermions and Spin Liquids

International Workshop 29 February – 4 March 2016

Recently, there has been remarkable progress in the theory of topological phases in strongly correlated systems. At the same time, the latest discovery and synthesis of many new materials provide an array of intriguing questions. We aim to bridge the forefront of theoretical developments and captivating experimental discoveries.



Topics include

- Topological insulators
- Spin liquids
- Weyl semimetals
- Heavy fermions
- Topological phases
- Kitaev materials (iridates and RuCl_3)
- Topological Kondo insulators (SmB_6)
- Skyrmions
- Cold atoms

Invited speakers

* to be confirmed

Y. Ando (Germany)
 P. Armitage (USA)
 L. Balicas (USA)
 I. Bloch (Germany)
 P. Coleman* (USA)
 M. Daghofer (Germany)
 C. Felser (Germany)
 P. Gegenwart (Germany)
 Z. Hasan (USA)
 M. Hermanns (Germany)
 G. Jackeli (Germany)
 Y. B. Kim (Canada)
 I. Kimchi (USA)
 J. Knolle (UK)
 T. Kondo (Japan)
 B. Lake (Germany)
 S. Nagler (USA)
 S. Nakatsuji (Japan)

C. Pfleiderer (Germany)
 O. Rader (Germany)
 K. Ross (USA)
 M. Sato (Japan)
 L. Savary (USA)
 T. Senthil* (USA)
 H. Takagi (Germany)
 R. Valenti (Germany)
 A. Vishwanath* (USA)
 K. von Bergmann (Germany)

Scientific coordinators

Collin Broholm (USA)
 Masaki Oshikawa (Japan)
 Achim Rosch (Germany)

Organisation

Amy Wright, MPIPKS

supported by



Applications made before 30 November will be considered preferentially.

Applications are welcome and should be made by using the application form on the event's web page (please see URL below). The number of attendees is limited. The registration fee for the international workshop is 120 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. Please note that childcare is available upon request.

For further information please contact:

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