

Workshop on
Emergent Quantum States in Complex Correlated Matter
August 23 - 27, 2010

Scientific coordination:

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Organisation:

Mandy Lochar
MPI für Physik komplexer Systeme
Dresden, Germany

The workshop will bring together cutting edge research in the area of emergent new quantum states in correlated electron systems. The goal of the workshop is to have deep and detailed discussion on the physics of Fe-pnictides, cuprates, frustrated magnets, and topological insulators. We also plan to discuss new classes of systems (e.g., dichalcogenides, ruthenates, CDW systems), new states of matter such as nematic and/or metamagnetic phases, and the interplay between spin, charge, and orbital degrees of freedom.

Invited speakers (* to be confirmed)

D. Basov (USA)
S. V. Borisenko (Germany)
B. Büchner (Germany)
G.W. Chern (USA)
M. Daghofer (Germany)
E. Fradkin (USA)
I. Guillamón (Spain)
F. Guinea (Spain)*
M.Z. Hasan (USA)
C. Honerkamp (Germany)
H.Y. Kee (Canada)

B. Keimer (Germany)
G. Khaliullin (Germany)
K.H. Kim (South Korea)
Y.B. Kim (Canada)
K. Kuroki (Japan)
D.H. Lee (USA)
A. Liebsch (Germany)
A.P. Mackenzie (UK)
D. Maslov (USA)
K. Matsuda (Japan)
I.I. Mazin (USA)

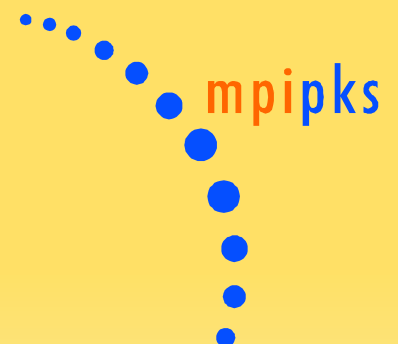
R. Moessner (Germany)
M. Norman (USA)
R. Osborn (USA)
R. Prozorov (USA)
T.M. Rice (Switzerland)
S. Sachdev (USA)
J. Schmalian (USA)
S.E. Sebastian (UK)
L. Taillefer (Canada)
B. Valenzuela (Spain)
M. G. Vavilov (USA)
A. Vishwanath (USA)

Applications for participation and poster contributions are welcome and should be made by using the application form on the seminar and workshop's web page (please see URL below). The number of attendees is limited. The **registration fee** for the workshop is **100 €** and should be paid by all participants. Costs for accommodation and meals will be covered by the Max Planck Institute for the Physics of Complex Systems. Limited funding is available to partially cover travel expenses. Please note that childcare is available upon request.

Deadline for registration is May 31, 2010.



For further information please contact:
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