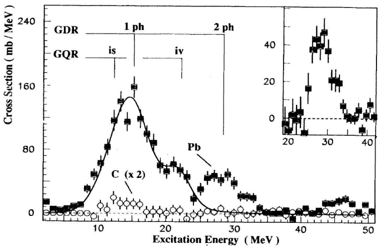
Max-Planck-Institut für Physik komplexer Systeme, Dresden, Germany

International Workshop on

Chaos and Collectivity in Many-Body Systems

March 5 - 8, 2008



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Organisation:

Marita Schneider
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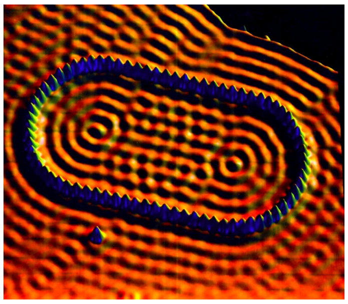
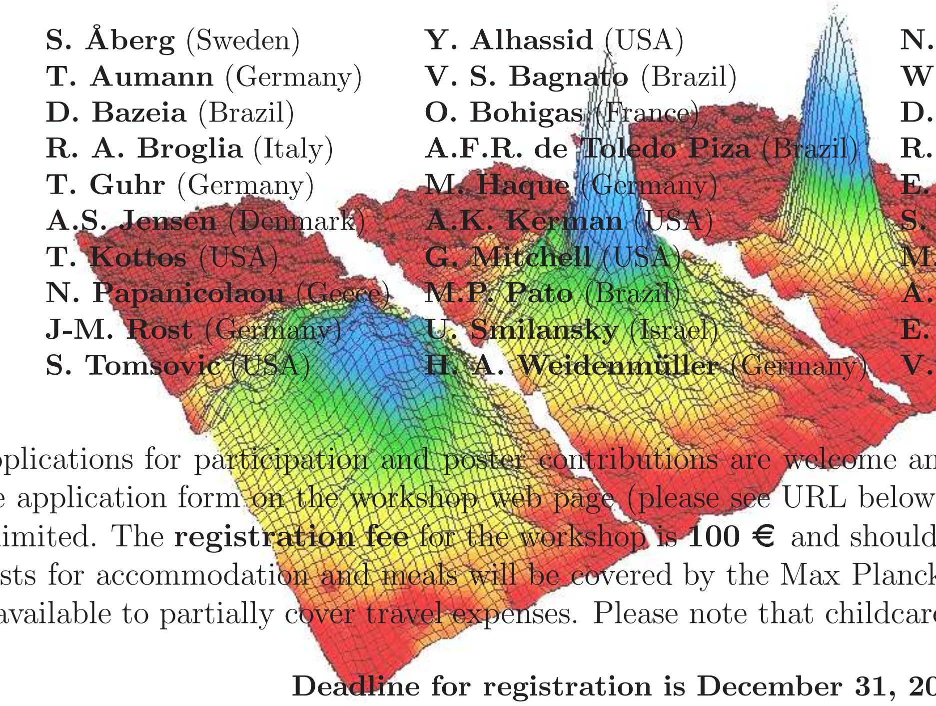


Complex many-body systems exhibit both collective, regular, motion and chaotic excitations. These modes couple and many interesting phenomena can be discerned through the understanding of the coexistence of both excitation modes. One measure of the coupling is the spreading width which was introduced to simplify the description of symmetry breaking, the damping of giant resonances in nuclei, and plasmon resonances in clusters. The theme of this workshop is to discuss the damping. Further, the collective excitation in BEC, another mesoscopic system, will also be discussed. Chaos with all its ramification in the quantal world, chaotic enhancement of matrix elements, tunneling, and chaotic scattering will be addressed, too.

Invited speakers:



S. Åberg (Sweden)
T. Aumann (Germany)
D. Bazeia (Brazil)
R. A. Broglia (Italy)
T. Guhr (Germany)
A.S. Jensen (Denmark)
T. Kottos (USA)
N. Papanicolaou (Greece)
J-M. Rost (Germany)
S. Tomsovic (USA)
Y. Alhassid (USA)
V. S. Bagnato (Brazil)
O. Bohigas (France)
A.F.R. de Toledo Piza (Brazil)
M. Haque (Germany)
A.K. Kerman (USA)
G. Mitchell (USA)
M.P. Pato (Brazil)
U. Smilansky (Israel)
H. A. Weidenmüller (Germany)
N. Auerbach (Israel)
W. Bauer (USA)
D.M. Brink (UK)
R. Donangelo (Brazil)
E. Heller (USA)
S. Komineas (Germany)
M. C. Nemes (Brazil)
A. Richter (Germany)
E. Timmermans (USA)
V. Zelevinsky (USA)

Applications for participation and poster contributions are welcome and should be made by using the application form on the workshop 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. Limited funding is available to partially cover travel expenses. Please note that childcare is available upon request.

Deadline for registration is December 31, 2007.

For further information please contact:
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