

Second Announcement. Call for papers
The Interdisciplinary Workshop
“Progress in Nonequilibrium Greens Functions”
(“Kadanoff-Baym equations II”)
Wilhelm und Else Hereaus Seminar 285

will be held August 19-23 2002 in Dresden, Germany.

Aim: This workshop continues the tradition of the conference “Kadanoff-Baym equations...” which was held in September 1999 in Rostock, Germany and which resulted in an excellent review book¹.

The scientific program will consist of invited review talks (45 min + 15 min discussion) and posters. Sessions will be chaired by moderators experts in the field giving a 10-15 min introduction. There will be no parallel sessions. Lectures, introductions and posters will be published in the workshop volume.

Main Topics:

- Charged particles and photons. QED. Many-body effects in plasmas.
- High energy. Particles. QCD. Cosmology.
- Strong fields. Quantum transport.
- Ultrafast processes. Short-pulse lasers. Quantum coherence
- Correlations. Bound states. Bose condensation.
- Coulomb correlations in condensed matter systems.
- Combination of NGF methods with other approaches.

Preliminary list of speakers and session moderators:

Alexei Abrikosov (Argonne NL), John Barker (U Glasgow), Gordon Baym (U Illinois), Rolf Binder (U Arizona), Michael Bonitz (U Rostock), Pawel Danielewicz (Michigan), David Ferry (ASU), Hector DeVega (U Paris 6), Hartmut Haug (U Frankfurt), Klaus Henneberger (U Rostock), Norman Horing (Stevens Tech), Antti-Pekka Jauho (Lyngby), Dejan Jovanovic (Motorola Labs), Leonid Keldysh (Lebedev Inst. Moscow), Jörn Knoll (GSI Darmstadt), Dietrich Kremp (U Rostock), Paul Martin (Harvard U), Paul Gerhard Reinhard (U Erlangen), Wilfried Schäfer (FZ Jülich), Manfred Schlanges (U Greifswald)

¹*Progress in Nonequilibrium Greens Functions*, M. Bonitz (Ed.), World Scientific 2000, for the contents see: <http://voyager.physik2.uni-rostock.de/plasmen/mich/kbt99/kbtbook.htm>

Attendance will be limited to 60. Colleagues interested in participation, please send abstract to Michael Bonitz².

Deadlines:

- 1-page abstract: April 15 2002
- Acceptance notice: May 1 2002
- Early registration and hotel reservation: June 15. Registration fee: Euro 150²
- Manuscript submission deadline: August 19 (referral during workshop)
- Final version deadline: October 1

**For a list of confirmed participants, program updates,
and other details, please, see the web page
<http://elde.mpg.uni-rostock.de/mb> → conferences**

Location:

The workshop will be held at the artotel Dresden, in walking distance of the historic city center. We plan to have time for excursions, visits to the famous art gallery and a tour to the nearby Sächsische Schweiz. We have negotiated special hotel rates for workshop participants and accompanying persons. Further, we will offer alternative inexpensive accommodation. Details will be given later.

Financial Support:

The workshop will be generously supported by the W.E. Heraeus foundation (Heraeus seminar 285). In addition, we have obtained funding from the Office of Naval Research. For Eastern European colleagues we expect again to have funds from the Deutsche Forschungsgemeinschaft. Thus, we expect to be able to support all participants at least partially (details will become clear later).

Program Committee:

A.A. Abrikosov (Argonne NL), J. Barker (Glasgow), G. Baym (Illinois), M. Bonitz³ (Rostock), P. Danielewicz (Michigan), D. Ferry (ASU), H. Haug (Frankfurt), K. Henneberger (Rostock), A.P. Jauho (Lyngby), L.V. Keldysh (Moscow), J. Knoll (GSI Darmstadt), D. Kremp (Rostock), P.C. Martin (Harvard), W. Schäfer (Jülich)

²covers 1 copy of proceedings, welcome buffet, conference dinner and excursion

³Priv.-Doz. Dr. habil. Michael Bonitz, Universität Rostock, FB Physik, 18051 Rostock, Germany, phone/fax (+49-(0)381) 498-1608, e-mail: michael.bonitz@physik.uni-rostock.de