Second Workshop

*Ordering Phenomena in HTSC*

November 4 - 5, 2004  Munich Residence

Bayerische Akademie der Wissenschaften
Marstallplatz 8
D-80539 München

**Programm**
Length of talks: 25 min + 5 min discussion

**Thursday, November 4, 2004**

9:45  R. Hackl: Opening

9:55  H. Nöth (President of the Academy): Welcome

10:00  N. Hussey: *The corrupt fermiology of high-\(T_c\) cuprates*

10:30  C. Di Castro: *Fluctuating charge order in the cuprates*

11:00  L. Tassini: *Raman scattering from charge ordering fluctuations in cuprates*

11:30  L. Alff: *Pseudogap behavior in strongly underdoped electron doped high-temperature superconductors*

12:30-14:00 Lunch

14:00  A. Erb: *Status of sample preparation*

14:30  G. Uhrig: *Magnetic excitations in modulated phases of high-temperature superconductors*

15:00  M. Grilli: *A theory of the isotope effect in the photoemission spectra of high-\(T_c\) superconducting cuprates*

15:30  C. Bernhard: *Spectral weight redistribution in the c-axis response of \(\text{YBa}_2\text{Cu}_3\text{O}_{6-x}\) from spectral ellipsometry*

16:00-18:00 Coffee + *Poster Session*

19:30  Dinner: Schneiderhaus
Friday, November 5, 2004

9:00  S.V. Borisenko: *Evidence for the strong interband scattering in superconducting cuprates as seen by ARPES*

9:30  D. Manske: *Elementary excitations in hole- and electron-doped cuprates: kink and resonance peak*

10:00 E. Arrigoni: *Are the electron-phonon and the spin fluctuation mediated pairing potentials enhanced or suppressed by vertex corrections?*

10:30-11:00 Coffee break

11:00 B. Büchner: *O-NMR studies on stripe ordering cuprates*

11:30 M. Vojta: *Bond charge order in doped Mott insulators*

12:00 V. Hinkov: *Testing stripe theories: the in-plane geometry of magnetic excitations in YBa(2)Cu(3)O*(6+x)*

12:30-14:00 Lunch

14:00-16:00 Meeting of the Unit members
Poster Session

Thursday, November 4, 2004, 15:30-18:00

(Maximum poster size: 93 cm wide and 133 cm high)

1. B. Welter, L. Alff, Y. Krockenberger, M. Naito and R. Gross
   **Doping dependence of pseudogap and superconductivity in electron doped high-temperature-superconductors: results from tunnelling spectroscopy**

2. Li Yu, C. Bernhard
   **Spectral weight redistribution in the c-axis response of YBa$_2$Cu$_3$O$_{6-x}$ from spectral ellipsometry**

   **New NMR for HTSC research**

4. V. B. Zabolotnyy, S. V. Borisenko, A. A. Kordyuk, J. Geck, M. Knupfer, J. Fink, B. Büchner
   **Investigation of HTSC with ARPES using angular polarized light**

5. J. Fink, S.V. Borisenko, A.A. Kordyuk, A. Koitzsch, B. Büchner, M. Knupfer
   **On the dressing of the charge carriers of high-$T_c$ superconductors at the hot spots**

   **Superconductivity-induced transfer of in-plane spectral weight in cuprate high-$T_c$ superconductors**