

HTSC Workshop Ringberg 2005 - Program

Nov, 7th – 11th

joint meeting of the MPI Stuttgart and the DFG Research Unit "HTSC"

	Mon 7	Tue 8	Wed 9	Thu 10	Fri 11
8:40-8:50	Keimer Welcome				
8:50-9:00	Hackl Welcome				
9:00-9:30	Sigrist Effects of spin-orbit coupling in superconductors without inversion center	Scalapino Spin fluctuation phenomenology in the cuprates	Fischer The pseudogap and the four-fold structure of vortex core states in $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+\delta}$	Jarrell A systematic study of superconductivity and the pairing mechanism in the Hubbard model	Metzner Soft Fermi surfaces: A new route to non-Fermi liquid behavior
9:45-10:15	Weber Multiband-Gutzwiller method for correlated electron systems: Is there hope for superconducting wave functions?	Vojta Spin excitations in fluctuating stripe phases	Büchner O-NMR study of stripe ordered cuprates	Ando Electronic Structure of High-Tc Cuprates Inferred from the Hall Coefficient Measured up to 1000 K	Honerkamp Anisotropic truncation of the Fermi surface: a weak coupling route
10:30-11:00	COFFEE BREAK	COFFEE BREAK	Castellani Superconductivity and pseudogap phase close to a Mott transition	COFFEE BREAK	Andersen Hamiltonians for HTSCs from LDA Wannier-like functions
11:00-11:30	Pickett Breaking of Frustration by Coupled Rattler Ions in Superconducting KOs_2O_6	Bernhard Exploring the nature of the normal state pseudogap in the c-axis conductivity of cuprate HTSC - an ellipsometry study	COFFEE BREAK	Bourges Elastic and Inelastic neutron investigation of magnetism in high-Tc cuprates	COFFEE BREAK
11:45-12:15	Gunnarsson Electron-phonon and Coulomb interactions in cuprates	Borisenko Renormalization effects in BSCCO and YBCO as seen by ARPES	Alff Phase diagram of electron doped cuprates: What do we know?	Devereaux Correlations, anisotropy and electron-phonon interaction in the cuprates	Damascelli Nodal-antinodal quasiparticle anisotropy reversal in the overdoped high-Tc cuprates
12:30-14:00	LUNCH	LUNCH	Lambacher 12.30-13.00 Properties of n-doped single crystalline cuprates	LUNCH	Xie 12.30-13.00 Interpretation of ARPES Fermi surfaces for multi-layer cuprates; the strange case of $\text{Ba}_2\text{Ca}_3\text{Cu}_4\text{O}_8\text{F}_2$

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14:00-14:30	Chubukov Dispersion anomalies in the cuprates	Yazdani Nanoscale Measurements of High- T_c Cuprates in the Pseudogap State	13.15 LUNCH	Sangiovanni Electron-phonon interaction close to a Mott transition	13.15 LUNCH
14:45-15:15	Keimer Spin excitations in YBCO	Hackl Ordering phenomena and electron renormalization in the cuprates	FREE AFTERNOON	Khaliullin Density fluctuations in the t-J model	MEETING of the MEMBERS of FG538
15:30-16:00	COFFEE BREAK	COFFEE BREAK		COFFEE BREAK	
16:00-16:30	Hanke Correlated Band Structure and the Ground-State Phase Diagram in High- T_c Cuprates	Di Castro Charge ordering fluctuations and anomalous Raman response in cuprates		Horsch Phonon renormalization and dynamical stripes	
16:45-17:15	Yamase Theory of ab-anisotropy of magnetic excitations in untwinned YBCO	Zeyher Low-frequency magnetic response in strongly underdoped cuprates		Hackl Progress report of the DFG Research Unit "HTSC"	
17:30-18:00	Manske Theory for spin excitations in high- T_c cuprates				
18:30-19:30	DINNER	DINNER (Bayerischer Abend)	DINNER	DINNER	DINNER
19:30-21:00		Poster		Poster	