

HTSC Workshop Munich 2010 - Program

April 13-16

meeting of the DFG Research Unit "HTSC"

	Tue 13	Wed 14	Thu 15	Fri 16
8:50-9:00	Hackl			
9:00-9:40	Masatoshi Imada Two families of superconductors, cuprates and iron-based superconductors	Steven Kivelson Superconductivity in Hubbard models	Andrei Chubukov Interplay between magnetism and superconductivity in Fe-pnictides	John Tranquada Striped superconductivity in $\text{La}_{2-x}\text{Ba}_x\text{CuO}_4$
9:40-10:20	Hai-Hu Wen Pairing mechanism revealed by thermodynamics, tunneling, and transport in iron pnictide superconductors	Thomas Maier Superconductivity in inhomogeneous Hubbard models	Ilya Eremin Metallic spin density waves and magnetic excitations in iron-based superconductors	Carlo Di Castro Universality classes for Coulomb-frustrated phase separation. From income-mensurate CDW to stripes
10:20-11:00	Andrew Millis The "pseudogap" in copper-oxide superconductors: what have we learned from cluster DMFT calculations	Z.-X. Shen Particle-hole symmetry breaking in pseudogapped cuprates	Jörg Schmalian Unconventional pairing and emergent symmetries in the iron arsenide superconductors	Seamus Davis Imaging electronic nematicity in the parent states of ferropnictides and cuprates
11:00-11:20	COFFEE BREAK	COFFEE BREAK	COFFEE BREAK	COFFEE BREAK
11:20-12:00	Neil Harrison Fermi surface instabilities in YBCO	Thomas P. Devereaux On gaps in spectroscopies in the cuprates	Peter Hirschfeld Spin fluctuation pairing in Fe-based superconductors and its consequences	Felix Baumberger Correlations in the normal state of Fe(Se,Te)
12:00-12:30	Leonardo Degiorgi Optical investigation of the charge dynamics in $\text{Ba}(\text{Co}_x\text{Fe}_{1-x})_2\text{As}_2$	Thomas Dahm Correlation of structures in inelastic neutron scattering and ARPES on YBCO_6.6	Markus Aichhorn Electronic correlations in iron-based superconductors from an LDA+DMFT perspective	12:00-12:40 Dong-Lai Feng Magnetic and structural transition in iron-based superconductors: an electronic structure perspective
12:30-14:00	LUNCH	LUNCH	LUNCH	12:40-13:10 Dirk Johrendt Structural effects of isoelectronic doping in BaFe_2As_2

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14:00-14:30	Suchitra Sebastian A paradigm shift in our understanding of underdoped cuprates from quantum oscillation measurements	Christian Bernhard Pseudogap and precursor superconductivity in cuprates	Lara Benfatto Role of multiband structure and interband pairing in pnictides	
14:30-15:00	Mark Kartsovnik Revealing the Fermi surface of electron doped cuprate superconductors by high-field magnetotransport	Dominik Munzar Theory of the c-axis infrared response of bilayer cuprate superconductors	Siegfried Graser Multiorbital pairing in the iron-based superconductors	
15:00-15:30	Andreas Erb Single crystal growth of cuprate superconductors	Jörg Fink Stripes in cuprates by RSXS	Sergey Borisenko ARPES of LiFeAs	
15:30-16:00	Matthias Vojta Nernst effect in symmetry-broken phases of cuprates	Gertrud Zwirnagl Breaking translational symmetry by population imbalance	Lilia Boeri Electronic structure of iron pnictides and related compounds	
16:00-16:30	COFFEE BREAK	COFFEE BREAK	COFFEE BREAK	
16:30-17:00	Werner Hanke Superconductivity in Iron Pnictides: from DFT to functional RG studies	Hans-Joachim Grafe NMR studies of superconducting iron pnictides	Dirk van der Marel Strong correlation, bosonic glue and superconductivity in the cuprates: an optical study	
17:00-17:30	Carsten Honerkamp Iron pnictides viewed by the functional renormalization group	Vladimir Hinkov Magnetic excitations in twin-free YBCO	Christian Hess Unusual Nernst effect in iron pnictides	
17:30-18:00	Poster, Beer and Pretzels	Marco Grilli Spectroscopic signatures of charge (and spin) dynamical fluctuations		
18:00-19:30	Poster	Poster		
19:30-22:00		DINNER		