

Poster Titles:

- 1. Pyroxenes: A new class of multiferroics.**
S. Jodlauk, P. Becker, J.A. Mydosh, D.I. Khomskii, T. Lorenz, S.V. Streltsov, D.C. Hezel, and L. Bohatý (*Experiment & Theory*)
- 2. Coexistence of magnetic and electric domains in multiferroic MnWO₄.**
P. Becker, L. Bohatý, M. Fiebig, T. Lottermoser, D. Meier, and G. Yuan (*Experiment*)
- 3. Enhanced multiferroic properties in HoMnO₃ films.**
K. Doerr, C. Dubourdieu, M. Fiebig, T. Kordel, T. Lottermoser, and D. Meier (*Experiment*)
- 4. Quantum Phase Transitions and Dimensional Reduction in Frustrated Magnets.**
O. Rösch and M. Vojta (*Theory*)
- 5. Thermodynamics of spin-dimer systems close to Quantum Criticality.**
J. Rohrkamp, S. Stark, O. Heyer, T. Zabel, T. Lorenz, F. Anfuso, M. Garst, A. Rosch, K. Krämer, A. Oosawa, and H. Tanaka (*Experiment & Theory*)
- 6. Thermodynamics close to the metamagnetic transition of Ca_{1.8}Sr_{0.2}RuO₄.**
M. Garst, A. Rosch, J. Baier, M. Kriener, S. Stark, T. Zabel, J. Mydosh, T. Lorenz, M. Braden, S. Nakatsuji, and Y. Maeno (*Experiment & Theory*)
- 7. Magnetic fluctuations in layered ruthenates**
P. Steffens, O.J. Schumann, Y. Sidis, P. Link, K. Schmalzl, S. Nakatsuji, Y. Maeno, and M. Braden (*Experiment*)
- 8. Magnetism in layered (La/Sr)₂MO₄ (M= Co and Mn)**
D. Senff, O.J. Schumann, M. Cwik, M. Benomar, Y. Sidis, K. Hradil, L.P. Regnault, P. Link, K. Schmalzl, and M. Braden (*Experiment*)
- 9. Orbital and charge ordering in 3d¹ and 3d² transition-metal oxides**
A.C. Komarek, W. D. Stein, T. Lorenz, A. Senyshin, A. Cousson, W. Morgenroth, M. Isobe, and M. Braden (*Experiment*)
- 10. Charge-transfer and Mott-Hubbard excitations in titanates, manganates, and cuprates.**
C. Hilgers, A. Gössling, and M. Grüninger (*Experiment*)
- 11. Orbital excitations in vanadates, spin excitations in cuprates, and the metallic behavior of CaCrO₃.**
E. Benckiser, T. Möller, and M. Grüninger (*Experiment*)
- 12. Direct observation of t_{2g} orbital order in magnetite.**
C. F. Chang, J. Schlappa, C. Schüßler-Langeheine, M. Buchholz, H. Ott, T. Willers, Z. Hu, M. W. Haverkort, E. Schierle, D. Schmitz, P. Metcalf, A. Tanaka, and L. H. Tjeng (*Experiment*)

13. **XAS and XMCD study of the valence, spin and orbital state of $\text{LaMn}_{0.5}\text{Co}_{0.5}\text{O}_3$, $\text{Ca}_3\text{CoRhO}_6$, $\text{Ca}_3\text{FeRhO}_6$ and $\text{Ca}_3\text{Co}_2\text{O}_6$.**
T. Burnus, Z. Hu, Hua Wu, M.W. Haverkort, J.C. Cezar, S. Niitaka, H.H. Hsieh, C.F. Chang, H. Takagi, P. A. Joy, D. Flahaut, V. Hardy, A. Maignan, N.B. Brookes, A. Tanaka, L.Y. Jang, K.S. Liang, H.-J. Lin, C.T. Chen, D.I. Khomskii, and Hao Tjeng (*Experiment & Theory*)
14. **Sum rules in resonant diffraction.**
M. W. Haverkort, C. Schüßler-Langeheine, A. Tanaka, and L. H. Tjeng (*Experiment & Theory*)
15. **Non-resonant inelastic x-ray scattering involving excitonic excitations**
M. W. Haverkort, A. Tanaka, L. H. Tjeng, and G. A. Sawatzky (*Experiment & Theory*)
16. **The spin-state puzzle in the layered cobaltates $\text{La}_{2-x}\text{Sr}_x\text{CoO}_4$.**
C. F. Chang, N. Hollmann, Z. Hu, M. W. Haverkort, T. Burnus, M. Reuther, M. Benomar, M. Cwik, A. Tanaka, H.-J. Lin, H. H. Hsieh, C.T. Chen, T. Lorenz, and L.H. Tjeng (*Experiment & Theory*)
17. **Preparation and characterization of new Cobaltates.**
M. Reuther, K. Dönecke, M. Benomar, J.A. Mydosh, T. Lorenz, and M. Valldor (*Experiment*)
18. **Interplay between transport, magnetism and structure in Mott insulators under high pressure.**
R. Lengsdorf, M. K. Forthaus, D. I. Khomskii, I. I. Mazin, T. Taetz, A. Möller, R. M. Ibberson, W. G. Marshall, J. A. Alonso, J.-P. Rueff, G. Vankó, L. H. Tjeng, T. Lorenz, and M. M. Abd-Elmeguid (*Experiment & Theory*)
19. **Crossover phenomena in low-dimensional d^1 systems.**
T. Taetz, A. Möller, M. Forthaus, M. Abd-Elmeguid, N. Hollmann, J. A. Mydosh, V. Kataev, M. Yehia, E. Vavilova, and B. Büchner (*Experiment*)
20. **Ab initio study of orbital physics in transition-metal compounds.**
H. Wu, D. I. Khomskii, and L. H. Tjeng (*Theory*)
21. **Coulomb blockade and transport in a chain of one-dimensional quantum dots.**
Fogler, S. Malinin, and T. Nattermann (*Theory*)
22. **Absence of the Mott glass phase in 1d disordered fermionic systems.**
A. Petkovic, Z. Ristivojevic, F. Schuetze, and T.Nattermann (*Theory*)
23. **Helical spin crystals.**
B. Binz (*Theory*)
24. **Critical conductance of a one-dimensional doped Mott insulator.**
M. Garst (*Theory*)

25. **Micro-domain walls near the first-order Mott-Hubbard transition**
Q. Liu and J. Kroha (*Theory*)
26. **Mott transition in inhomogeneous systems.**
R. Helmes and A. Rosch (*Theory*)
27. **Static Screening and Delocalization Effects in the Hubbard-Anderson Model**
P. Henseler, B. Shapiro, and J. Kroha (*Theory*)
28. **Magneto-optic and transport properties of doped EuO and electronic structure of Mn impurities in MgO.**
R. Sutarto, T. Haupricht, S. Altendorf, M. Moretti, R. Gierth, and L. H. Tjeng (*Experiment*)
29. **Phase transitions in EuO thin films investigated by STM and STS**
D. Förster, C. Busse, and T. Michely (*Experiment*)
30. **Simultaneous ferromagnetic metal-semiconductor transition in electron-doped EuO**
M. Arnold and J. Kroha (*Theory*)
31. **Stable two-channel Kondo fixed point of an SU(3) quantum defect in a metal: renormalization group analysis and conductance spikes**
M. Arnold, T. Langenbruch, and J. Kroha (*Theory*)
32. **Kondo criticality and Kondo volume collapse transitions in heavy-fermion metals**
A. Hackl and M. Vojta (*Theory*)
33. **Heavy Fermi liquids with hybridization nodes: Arranging competition in momentum space**
H. Weber und M. Vojta (*Theory*)
34. **Non-equilibrium Hubbard model in a time-dependent external field**
A. Lubatsch and J. Kroha (*Theory*)
35. **Magnetic field dependent thermal conductivity in spin-chain materials.**
A.V. Sologubenko, K. Berggold, T. Lorenz, J. A. Mydosh, A. Rosch, E. Shimshoni, M.M. Turnbull, K. Krämer, and A. Paduan-Filho (*Experiment & Theory*)
36. **Spin and heat transport in almost integrable systems.**
P. Jung and A. Rosch (*Theory*)
37. **Nernst effect of Ni-doped NdBa₂Cu₃O_{7- δ} .**
N. Johannsen, Th. Wolf, A.V. Sologubenko, T. Lorenz, A. Freimuth, and J.A. Mydosh (*Experiment*)