

## Vortragstätigkeit:

Meine Vortragstätigkeit umfasst mehr als 77 eingeladene Vorträge (41 im Ausland), darunter 51 Vorträge auf nationalen und internationalen Konferenzen und 26 Vorträge an nationalen und internationalen Forschungsinstituten und Universitäten. Als wichtige Beispiele sei genannt zwei Hauptvorträge und ein „Keynote“ Vortrag auf den Tagungen der Deutschen Physikalischen Gesellschaft (2005, 2006 und 2008) und ein Plenarvortrag auf „8th International Conference on Materials and Mechanisms of Superconductivity and High Temperature Superconductors“. Die Vorträge lassen sich wie folgt auflisten:

1. Electronic structure of the oxides series  $\text{Ln}_2\text{Ti}_2\text{O}_7$  (Ln=Sm-Lu)  
The 4th Colloquium on f-Electron Systems, Prague, Czech Republic, July 1998
2. Fermi surface mapping of Bi2212-based materials using high resolution angle-scanned photoemission  
NATO Advanced Research Workshop "Open problems in strongly correlated electron systems", Bled/Slovenia, April 2000
3. Fermi surface maps of Bi2212-based materials from high resolution ARPES“  
Uppsala University, Sweden, May 2000
4. Angle-scanned photoemission of HTSC: The electronic structure and Fermi surface of Bi2212 and related compounds  
Workshop "Electron Spectroscopies and Strongly Correlated Electron Systems", Avila/Spain, July 2000
5. ARPES of BSCCO using circularly polarized light  
VI Training Course in the Physics of SCES and HTSC", Vietri sul Mare, Salerno/Italy, 8.-19.10.01 2001
6. Angle-resolved photoemission of Pb-BSCCO: Searching for the circulating current phase in the pseudogap regime  
MPI-Physik korrelierter Systeme Dresden, 29.11.01 2001
7. Exploring the (k, w)-space of the superconducting cuprates with SCIENTA analyzers  
1st SCIENTA Users Meeting, Berlin-Adlershof, 5.12.01 2001
8. An ARPES investigation of the Pb-BSCCO: Spectral function and bilayer splitting  
Free University Berlin, 10.12.01 2001
9. ARPES of Pb-BSCCO: Spectral function and bilayer splitting  
Walther-Meissner-Institut, München, 12.4.02 2002
10. Two remarks about the symmetry of the order parameter in high-Tc cuprates  
Max-Planck-Institut für Physik Korrelierter Systeme, Dresden, 29.5.02 2002
11. ARPES of Pb-Bi2212: new views on old problems  
Low Energy Electrodynamics in Solids, Montauk, New York, USA, 13-18.10.02 2002
12. Anomalous enhancement of the coupling between electrons and the magnetic resonance mode in underdoped Pb-Bi2212 superconductors  
Forschungsseminar „Elektronische Festkorpereigenschaften“, TU-Dresden, 17 December, 2002

13. K-resolved photoemission spectroscopy of Pb-Bi<sub>2</sub>Te<sub>2</sub>

Korrelationstage am MPI-PKS, Dresden, 24.-28.2.03 2003
14. ARPES of Bi-cuprates using the circularly polarized excitation: searching for orbital currents

Solid state seminar in the Institute of Physics, University of Zürich, Switzerland, 9.4.03 2003
15. What is seen by the angle-resolved photoemission in a high-temperature superconductor

ASTRID User Meeting, Aarhus/Daenemark, 22.-23.5.03 2003
16. New insights into the physics of the high-T<sub>c</sub> cuprates from arpes studies,

Surface Science Seminar, Humboldt-Universitaet Berlin, 3.5.04 2004
17. Identification of the pairing boson in the high T<sub>c</sub>-cuprates, Workshop on "New Superconductors",

FU Berlin, 14.-15.6.04 2004
18. Origin of the dominating electron-boson coupling in the HTSC cuprates as seen by ARPES

WORKSHOP ON NOVEL STATES AND PHASE TRANSITIONS IN HIGHLY CORRELATED MATTER, Trieste 12 – 23.07.2004
19. Identifying the pairing boson in HTSL by means of ARPES,

5th Swiss Light Source User Meeting, Villigen/Schweiz, 4.-5.10.2004
20. ARPES of HTSL- an overview of recent results,

2nd International Workshop on Electronic and Magnetic Properties in Novel Superconductors FU Berlin, 14.-15.10.2004
21. Evidence for the strong interband scattering in superconducting cuprates as seen by ARPES

Second Workshop "Ordering Phenomena in HTSC", München 4-5.11.2004
22. Angle-resolved Photoemission of High-T<sub>c</sub> Superconductors: identifying the pairing boson

Physikalisches Kolloquium 30th of November, 2004 TU Dresden
23. Angle-Resolved Photoemission of High-T<sub>c</sub> Superconductors: Spin Fluctuations or Phonons?

SFB Kolloquium, 23 February, 2005, II. Physikalisches Institut, University of Köln
24. Angle-Resolved Photoemission of High-T<sub>c</sub> Superconductors: Identifying the Pairing Boson

Hauptvortrag (Main Talk), 5 March, 2005 DPG Frühjahrstagung
25. Spin fluctuations or phonons ?

STRONG CORRELATIONS AND ARPES: RECENT PROGRESS IN THEORY AND EXPERIMENT. Dresden, 6th of April, 2005
26. ARPES on superconducting cuprates: spin fluctuations or phonons ?

Seminar of the institue of theoretical physics. 14th of April, 2005 Hamburg University
27. ARPES on cuprates: recent results

2nd of May, 2005 IFW-Dresden, "Ordering phenomena 2"

28. ARPES – A Tool to Study Nature  
 “XXXIV International School on the Physics of Semiconducting Compounds”, Ustron-Jaszowiec, Poland, June 4-10, 2005.
29. ARPES on HTSC  
 Cargese, Corsica (France), August 8-20, 2005  
 I<sup>2</sup>CAM Advanced Workshop
30. ARPES of the High-Tc superconductors: searching the pairing boson  
 DYPROSO XXX Cesky Krumlov, Czech Republic, September 29, 2005
31. Renormalization effects in BSCCO, LSCO and YBCO as seen by ARPES  
 HTSC Workshop Ringberg 2005, November 7-11, 2005
32. ARPES on HTSC: what is simple and what is not  
 "Frontiers of Unconventional Superconductivity", Bristol, UK, November 9, 2005
33. Exploring the Limits of Condensed Matter Physics with the 1<sup>3</sup>-ARPES Facility  
 BESSY User's Meeting, December 1-2, 2005
34. Renormalization effects in BSCCO, LSCO and YBCO as seen by ARPES  
 Shen's group seminar. 20<sup>th</sup> of January, 2006, Stanford University, Stanford, California, USA
35. Many-body effects in BSCCO, LSCO and YBCO as seen by ARPES  
 Gordon Research Conference on Superconductivity, January 22-27, 2006, Buellton, California, USA
36. ARPES in High-Tc Superconductors: Searching for the Pairing Boson  
 Seminar of theoretical division. 30<sup>th</sup> of January, 2006, Los Alamos National Laboratory, Los Alamos, New Mexico, USA
37. ARPES in High-Tc Superconductors: Searching for the Pairing Boson  
 R. G. Herb Materials Physics Seminar. 31<sup>st</sup> of January, 2006, University of Wisconsin-Madison, Madison, Wisconsin, USA
38. ARPES in high-Tc cuprates: what is simple and what is not  
 Electron spectroscopy group seminar. 3<sup>rd</sup> of February, 2006, Brookhaven National Laboratory, Upton, New York, USA
39. Kinks, Nodal Bilyaer Splitting, and Interband Scattering in YBCO  
 „Keynote“ Vortrag. 28 March, 2006 DPG Frühjahrstagung
40. ARPES on HTSC: recent results  
 "Self-Organized Strongly Correlated Electron Systems", Seillac/ France, 29.-31.5.2006
41. Universality and particularity of low energy excitations in high-Tc cuprates from ARPES  
 "Low Energy Electrodynamics in Solids", Tallin/ Estland, 1.-6.7.2006
42. Universality and particularity of low energy excitations in high-Tc cuprates from ARPES  
 Plenary talk. 8th International Conference on Materials and Mechanisms of Superconductivity and High Temperature Superconductors, M2S/ Dresden, 9.-14.7.2006

43. An ARPES approach to the problem of High-Tc superconductivity in cuprates  
Plenary talk. 7<sup>th</sup> SLS Users' Meeting, PSI, Villigen, Switzerland 28-29 September 2006
44. ARPES on HTSC  
"High-Resolution Photoemission" A Satellite-Workshop to the BESSY Users' Meeting 2006, Berlin, 8-9 Dezember 2006
45. Pseudogap, Charge Density Waves and Superconductivity in 2D  
The 8th International Conference on "Spectroscopies in Novel Superconductors" (SNS2007), August 20 - 24, 2007, Sendai, Japan
46. New horizons for modern ARPES opened up by a 1<sup>3</sup> facility  
Public lectures. Scientific Advisory Committee meeting at BESSY, 22 October 2007, Berlin
47. Pseudogap in HTSC and CDW  
Joint seminar of the Theory & Physics departments. Max-Planck Institute for Solid State Research, 26 October 2007, Stuttgart
48. CDW and superconductivity in 2D: the ARPES view  
IFP-Seminar, Forschungszentrum Karlsruhe, 29 November 2007, Karlsruhe
49. Pseudogap in CDW compounds  
Workshop "Properties of HTSC". Munich Residence, December 17-18, 2007, München
50. ARPES - a tool to study nature  
Solid State Physics seminar, Oxford University, February 15, 2008, Oxford, UK
51. CDW and Superconductivity in 2D: the ARPES view  
German Physical Society meeting "DPG Frühjahrstagung 2008", Main talk, February 25-29, 2008, Berlin
52. Superconductivity and CDW in 2D: the ARPES view  
Solid State Physics Seminar, ETH Zürich, March 17-19, 2008, Zürich, Switzerland
53. A struggle for the Fermi surface: Density waves vs. superconductivity  
Unconventional Phases and Phase Transitions in Strongly Correlated Electron Systems, International workshop - June 04 - 07, 2008, Dresden
54. 1-cubed ARPES at BESSY  
Workshop on Advanced Photoemission, University of Madrid, 4.-6.6.08, Madrid, Spain
55. Competing orders in two-dimensional superconductors: An ARPES view  
Competing Orders, Pairing Fluctuations, and Spin Orbit Effects in Novel Unconventional Superconductors, International workshop - June 30 - July 4, 2008, Dresden
56. A struggle for the Fermi surface: density waves vs. superconductivity  
International Conference Stripes'08, 26.7-1.8 2008, Erice, Sicily/ Italy
57.  $(\pi,\pi)$ -electronic order in iron arsenide superconductors

International workshop Properties of Cuprate Superconductors III, Schloss Ringberg, 3 – 7 November, 2008

58. ARPES - a tool to study nature

Condensed Matter Physics Seminar, 18.11.2008, Masaryk University, Brno, Czech Republic

59. Superconductivity and CDW in 2D: the ARPES view

Condensed Matter Physics Seminar, 18.11.2008, Masaryk University, Brno, Czech Republic

60.  $(\pi,\pi)$ -electronic order in iron arsenide superconductors

International Conference on "FeAs High Tc Superconducting Multilayers and Related Phenomena", Superstripes 2008, Rome, December 9-13, 2008

61. ARPES – ein Werkzeug zur Erforschung der Natur

Solid State Physics Seminar, University of Würzburg, 22 December, 2008

62. Highest resolution ARPES today and tomorrow

Kickoff Workshop on Adlershof's Future Light Source, HZ-Berlin, 18-19 March, 2009

63. ARPES - a tool to study nature

Solid State Physics Seminar, Vienna University of Technology, Wien/ Oesterreich, 13.5.2009

64. ARPES below 1K

International Workshop on Strong Correlations and Angle-Resolved Photoemission Spectroscopy, Zuerich/ Schweiz, 19.-24.7.2009

65. High resolution ARPES on superconductors and related compounds

Plenary talk. 2nd Workshop LNLS-2 New Source: Scientific Case, Campinas/ Brazil, 27.-28.8.2009

66. ARPES of superconductors

Superconductors by the Mediterranean Sea: Classic and Novel Materials, Electronic States and Critical Properties, Alghero, Sardinia, Italy, 07.-11.09.2009

67. ARPES of superconductors

Seminar Physics Department and INFM Coherencia Laboratory, University of Salerno, Salerno, Italy, 11.09.2009

68. High-resolution low-temperature ARPES of the collective quantum phenomena in solids

International Conference on Electronic Spectroscopy and Structure, Nara, Japan, 06.-10.10.2009

69. Exploring the limits of condensed matter physics with 1-cubed ARPES facility

Scientia Seminar, Moscow/ Russia, 19.-20.10.2009

70. ARPES - ein Werkzeug zur Erforschung der Natur

SFB Seminar, II. Physikalisches Institut, Universität zu Köln, 22.12.2009

71. ARPES of LiFeAs

HTSC Workshop Munich 2010, 13-16.04.2010

72. Angle Resolved PhotoEmission Spectroscopy of Fe-based Superconductors  
Electronic structure of Fe-based Superconductors, Stuttgart, 10-12.05.2010
73. ARPES of Fe-superconductors  
Edge Topics in Correlated Materials (ParisEdge2010), Paris, France, 17-19.05.2010
74. Superconductivity without magnetism in LiFeAs  
9th International Conference on Spectroscopies in Novel Superconductors, Shnanghai, China, 23-28.05.2010
75. ARPES of iron pnictides  
Workshop on Physics of Complex Oxides, Santorini/ Greece, 14.-17.6.2010
76. ARPES of iron pnictides  
Superstripes 2010, Erice/ Italy, 19.-25.7.2010
77. ARPES studies of interplay between the density waves and unconventional superconductivity  
Emergent Quantum States in Complex Correlated Matter, Dresden August 23.-27.08. 2010

Darüber hinaus habe ich mehr als 15 andere Vorträge, wie Konferenzvorträge, Preisvorträge, Übersichtsvorträge auf Doktorandenseminaren, Winter- und Sommerschulen, Vorträge bei Begutachtungen, Planungsklausuren (als Sprecher vom IFW Themenbereich 1.1 „Elektronische Struktur und Grundlagen“) usw. gehalten.