

Supplement

to the

Annual Report 2003

Berlin 2003

Supplement Index

Preface	4
Publications	5
SF - Structural Research	6
SE - Solar Energy Research	28
I - Central Scientific-Technical Infrastructure	39
Conference Contributions	41
SF - Structural Research	42
SE - Solar Energy Research	64
Invited Lectures	77
SF - Structural Research	78
SE - Solar Energy Research	83
Patents and Patent Applications	89
Patents	89
Patent applications	91
Academic Education	95
Lectures, Courses,	95
Exams	98
Summer students etc.	101
Awards	103
Participation in external scientific bodies and committees	104
Organization of Scientific Conferences and Meetings	107
Contributions to Exhibitions / Fairs / Events	108
Guests	109
Co-operations	113
External Funding	131

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Preface

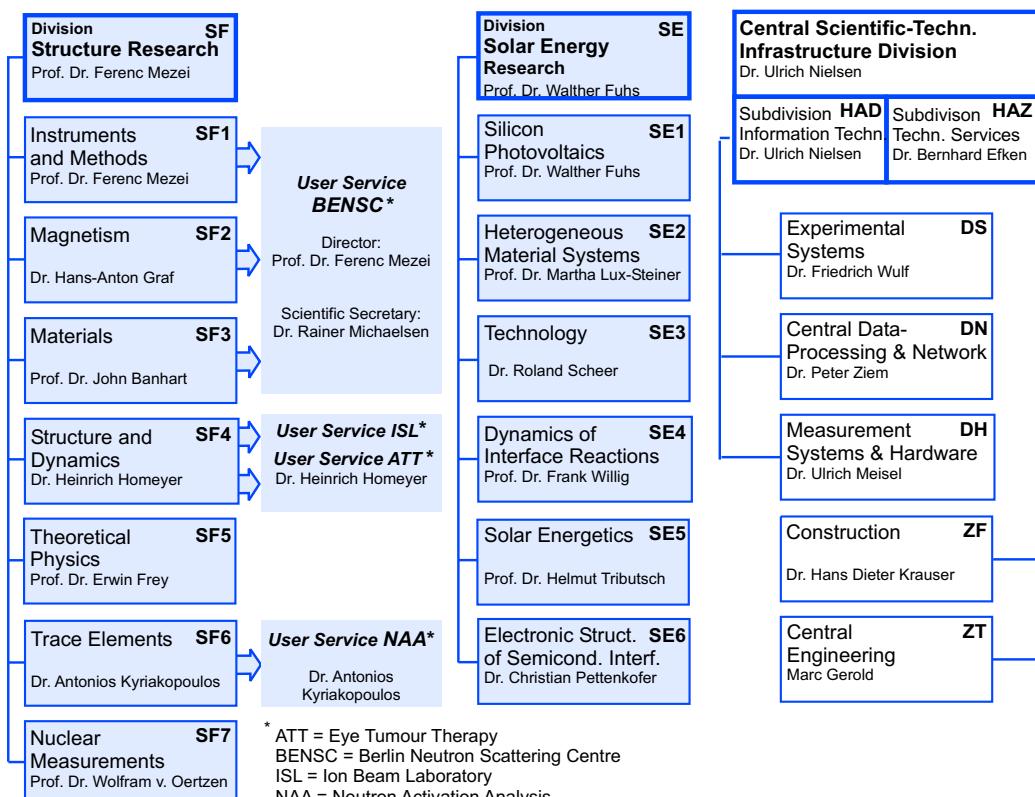
This supplement to the Annual Report 2003 is supposed to provide in addition to the scientific highlights of the HMI a survey of the scientific activities in terms of publications, contributions to conferences etc.

Following the internal organization of the institute, these lists are ordered along the divisions, departments and, wherever reasonable, along the RD-projects within the latter. Publications and conference contributions are ascribed to a definite RD-project. When authors from different departments have contributed, this contribution is listed under all involved departments and the respective RD-project is indicated.

This supplement lists only contributions with at least one author from HMI. For a more complete list of publications based upon the use of our large scale facilities we refer to the Experimental Reports of BENSC and ISL, respectively.

The supplement was generated mostly from an internal data base installed over the last months. Due to the short implementation phase of the underlying procedures, one or the other contribution may not have found its way into the present edition, which we regret.

Organisational Chart



Publications

SF - Structural Research

SF - BENSC

BENSC.User

Hahn-Meitner-Institut Berlin / Berlin Neutron Scattering Center. Kirschbaum Y.; Tovar M.; Bischoff D.; Michaelsen R. [Eds.]
BENSC experimental reports 2002
 (HMI-B 590)
 Hahn-Meitner-Institut, Berlin, 2003

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 Physical Review B
 68 (2003) 172401/1 - 4

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Local dynamics of polyethylene and its oligomers : a molecular dynamics interpretation of the incoherent dynamic structure factor
 Macromolecules
 36 (2003) 8864 - 8875

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Inflection point in the magnetic field dependence of the ordered moment of URu_2Si_2 observed by neutron scattering in fields up to 17 T
 Physical Review Letters
 90 (6) (2003) 067203/1 - 4

Doster W. ; Diehl M. ; Gebhardt R. ; Lechner R.E. ; Pieper J.
TOF-elastic resolution spectroscopy: time domain analysis of weakly scattering (biological) samples
 Chemical Physics
 292 (2-3) (2003) 487 - 494

Ehlers G. ; Casalta H. ; Lechner R.E. ; Maletta H.

Dynamics of frustrated magnetic moments in antiferromagnetically ordered TbNiAl probed by spin echo and time-of-flight spectroscopy

In: Neutron spin echo spectroscopy : basics, trends and applications, eds. Mezei F. [u.a.] Springer, Berlin, 2003, 222 - 231

Feldmann H. ; Lechner R.E. ; Wilmer D.
Unusual fast cation conduction in the high-temperature phase of lithium sodium sulfate

In: Solid state ionics - 2002 : symposium held December 2 - 5, 2002, Boston, Massachusetts, U.S.A., eds. Knauth P. [u.a.] Materials Research Society, Warrendale, Pa., 2003, 81 - 86

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Off-specular polarized neutron reflectometry from periodic arrays of lithographically structured Co dots
 Langmuir
 19 (2003) 7789 - 7793

Fuertes Marrón D. ; Meeder A. ; Bloech U. ; Schubert-Bischoff P. ; Pfänder N. ; Würz R. ; Babu S.M. ; Schedel-Niedrig Th. ; Lux-Steiner M.Ch.

Microstructural properties of CVD-grown CuGaSe_2 based thin film solar cells
 Thin Solid Films
 431-432 (2003) 237 - 241

Habicht K. ; Golub R. ; Gähler R. ; Keller T.
Space-time view of neutron spin echo, correlation functions and phonon focusing
 In: Neutron spin echo spectroscopy : basics, trends and applications, eds. Mezei F. [u.a.] Springer, Berlin, 2003, 116 - 132

Jauch W. ; Reehuis M.
Electron density distribution in paramagnetic and antiferromagnetic MnO : A γ -ray diffraction study
 Physical Review B
 67 (2003) 184420/1 - 8

Keller T. ; Keimer B. ; Habicht K. ; Golub R.; Mezei F.

Neutron resonance spin echo - triple axis spectrometry (NRSE-TAS)

In: Neutron spin echo spectroscopy : basics, trends and applications, eds. Mezei F. [u.a.] Springer, Berlin, 2003, 74 - 86

Khaykovich B. ; Birgeneau R.J. ; Chou F.C.; Erwin R.W. ; Kastner M.A. ; Lee S.-H. ; Lee Y.S. ; Smeibidl P. ; Vorderwisch P. ; Wakimoto S.

Effect of a magnetic field on long-range magnetic order in stage-4 and stage-6 superconducting $\text{La}_2\text{CuO}_{4+y}$

Physical Review B
67 (2003) 054501/1 - 6

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Vapor sorption in self-assembled gold nanoparticle/dendrimer films studied by specular neutron reflectometry

Langmuir
19 (2003) 7754 - 7760

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Langmuir
19 (2003) 7597 - 7603

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36 (2003) 646 - 648

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Polymer hydration and microphase decomposition in poly(N-vinylcaprolactam)-water complex

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36 (2003) 967 - 969

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Combining of neutron spin echo and reflectivity: a new technique for probing surface and interface order

Physica B
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Physical Review A
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Springer, Berlin, 2003

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Diffusion of H_2 adsorbed on single-walled carbon nanotubes

Physical Review B
67 (2003) 205409/1 - 5

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292 (2003) 171 - 183

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Protein dynamics on the picosecond timescale as affected by the environment: a quasielastic neutron scattering study

Chemical Physics
292 (2003) 397 - 404

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Journal of Applied Crystallography
36 (2003) 1475 - 1479

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Bloch walls in a nickel single crystal
In: Recent research developments in physics. Vol. 4
Transworld Research Network, Trivandrum, Kerala, India, 2003, 309 - 331

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Chemical Physics
292 (2003) 465 - 476

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Physica Status Solidi B
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Journal of Alloys and Compounds
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42 (2003) 13667 - 13672

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64 (2003) 919 - 925

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Magnetic structures of RNi_xSn₂ (R=Tb, Ho) compounds
Journal of Alloys and Compounds
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Zeitschrift für Kristallographie
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328 (2003) 276 - 282

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358 (2003) L1 - L5

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265 (1) (2003) 94 - 97

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Journal of Magnetism and Magnetic Materials
263 (1-2) (2003) 21 - 25

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Physica B
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15 (6) (2003) 803 - 814

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Journal of Physics: Condensed Matter
15 (30) (2003) 5279 - 5296

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264 (2-3) (2003) 192 - 201

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Neutron diffraction studies of the magnetic structure of Ho₃Pd₄Ge₄
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350 (2003) 68 - 71

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44 (2003) 2049 - 2055

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Chemical Vapor Deposition
9 (1) (2003) 40 - 44

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Macromolecular Bioscience
3 (9) (2003) 477 - 481

SF - ISL**ISL.Accelerator**

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Concluding remarks

Nukleonika
48 [Suppl. 2] (2003) S181 - S183

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Status of ISL

Nukleonika
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SE3 - Technology

SE3.Baseline

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SE3.Control

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SE4 - Dynamics of interfacial reactions

SE4.Dynamics

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SE2.Semico

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**Growth model of CuGaSe₂ grains in a
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SE5 - Solar energy

SE5.Energetics

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SE5.Interfaces

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49 (2003) 137 - 146

Lewerenz H.J. ; Aggour M. ; Murrell C. ; Jakubowicz J. ; Kanis M. ; Campbell S.A. ; Cox P.A. ; Hoffmann P. ; Jungblut H. ; Schmeißer D.
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Journal of Electroanalytical Chemistry
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Lewerenz H.J. ; Aggour M. ; Murrell C. ; Kanis M. ; Jungblut H. ; Jakubowicz J. ; Cox P.A. ; Campbell S.A. ; Hoffmann P. ; Schmeißer D.
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Journal of the Electrochemical Society
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SE1.Others

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Phase relations and optical properties of semiconducting ternary sulfides in the system Cu-Sn-S

Journal of Physics and Chemistry of Solids
64 (2003) 1859 - 1862

SE2.Semico

Meeder A. ; Fuertes Marron D. ; Lux-Steiner M.Ch. ; Kunst M.

Optoelektronic properties of CuGaSe₂ thin films studied by time-resolved microwave conductivity

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SE6.BESSY

Calvet W. ; Lewerenz H.-J. ; Pettenkofer C.
Surface vs. volume stoichiometry of MBE grown CuInS₂ films on Si
Thin Solid Films
431-432 (2003) 317 - 320

Calvet W. ; Pettenkofer C. ; Lewerenz H.-J.
Initial phases of CuInS₂ - Si heteroepitaxy
Journal of Vacuum Science and Technology B
21 (4) (2003) 1335 - 1343

SE6 - Elektronic structure of semiconductor interfaces

SE6.BESSY

Calvet W. ; Lewerenz H.-J. ; Pettenkofer C.
Surface vs. volume stoichiometry of MBE grown CuInS₂ films on Si
Thin Solid Films
431-432 (2003) 317 - 320

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Initial phases of CuInS₂ - Si heteroepitaxy
Journal of Vacuum Science and Technology B
21 (4) (2003) 1335 - 1343

I - Central Scientific-Technical Infrastructure

DN - Central Data-Processing and Network

SF1.Spallation

Zsigmond G. ; Lieutenant K. ; Manoshin S. ; Fromme M. ; Bordallo H.N.

Neutron virtual instrumentation and experiments: VITESS 2.4

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SF2.BENSC

Ehm L. ; Knorr K. ; Mädler F. ; Voigtländer H. ; Busetto E. ; Cassetta A. ; Lausi A. ; Winkler B.

High-pressure X-ray diffraction study on $\alpha\text{-PbF}_2$

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DS - Experimental Systems

DS

Hahn-Meitner-Institut Berlin. Wulf F. [Ed.]

Bericht der Frühjahrstagung der Studiengruppe für Elektronische Instrumentierung 24. bis 26. März 2003, Forschungszentrum Jülich, Zentrallabor für Elektronik (ZEL)

(HMI-B 592)

Hahn-Meitner-Institut, Berlin, 2003

Hahn-Meitner-Institut Berlin. Wulf F. [Ed.]

Bericht der Herbsttagung der Studiengruppe für Elektronische Instrumentierung 22. bis 24. September 2003, am Lehrstuhl für Netz- und Datensicherheit der Ruhr-Universität Bochum

(HMI-B 594)

Hahn-Meitner-Institut, Berlin, 2003

Conference Contributions

SF - Structural Research

SF - BENSC

SF1.BENSC

Invited Talk

Bordallo, H.N.

Lattice Dynamics Simulation on the Layered Manganite, $\text{La}_{2-2x}\text{Sr}_{1+2x}\text{Mn}_2\text{O}_7$, $x=0.4$

2nd Berlin Workshop on Orbital Physics and Novel Phenomena in Transition Metal Oxides
Berlin (Germany) 24. Sep - 24. Sep 2003

Invited Talk

Bordallo, H.N.

Benchmark simulation of a Fermi-Chopper instrument

SCANS Meeting

Nyköping (Sweden) 26. Sep - 26. Sep 2003

Invited Talk

Bordallo, H.N.

What are neutrons used for?

XXVI National Meeting in Condensed Matter, Caxambu
Brazil 06. May - 10. May 2003

Poster

Bowers, J.; Howse, J.R.; Neilson, M.M.; Manzanares-Papayanopoulos, E.; Clements, P.J.; Steitz, R.; Findenegg, G.H.; Burgess, A.N.; Zarbakhsh, A.; Christenson, H.K.; Cubitt, R.; McLure, I.A.

Long-tail adsorption from near critical liquid mixtures at free and modified Si/SiO₂ interfaces

BENSC User's Meeting 2003

Berlin 16. May - 16. May 2003

Invited Talk

Clemens, D.; Mezei, F.; Peters, J.; Manochine, S.; Lieutenant, K.; Mokrani, L.; Zsigmond, G.

Very Small-Angle Neutron Scattering Instrument for BENSC/HMI

1. Workshop of the International Consortium on Ultra-Small-Angle Scattering
Oak Ridge, USA 09. Jul - 10. Jul 2003

Poster

Dante, S.; Hauss, T.; Gutberlet, T.; Schemmel, S.; Dencher, N. A.; Steitz, R.

Lipid Membranes and Beta-Amyloid

BENSC User's Meeting 2003

Berlin 16. May - 16. May 2003

Poster

G. Zsigmond, K. Lieutenant, H. Bordallo, S. Manoshin, F. Mezei

The future: Monte Carlo simulations for analysis of experimental data

3rd European Conference on Neutron Scattering

Montpellier, France 03. Sep - 06. Sep 2003

Poster

Habicht, K.; Keller, T.; Golub, R.; Keimer, B.; Mezei, F.

Phonon lifetime measurement with neutron resonance spin echo - anharmonic lattice dynamics of dispersive phonon modes

ECNS 2003

Montpellier, France 03. Sep - 06. Sep 2003

Poster

Habicht, K.; Golub, R.; Keller T.

The resolution matrix for neutron spin-echo three-axis spectroscopy

ECNS 2003

Montpellier, France 03. Sep - 06. Sep 2003

Invited Talk

Jauch, W.

Electron density distributions in relation to magnetism: Results from gamma-ray diffraction

Third European Charge Density Meeting
Sandberg Estate (Dänemark) 24. Jun - 29. Jun 2003

Poster

Krist, Th.; Cho, S. J. .; Hoffmann, J. E.; Mezei, F.

Determination of interface growth with atomic resolution in FeCo-Si multilayers

BENSC User meeting

Berlin 16. May - 16. May 2003

Invited Talk

Lechner, R. E.

Time Structure of Source Pulse and Technique of Observation Time Variation in QENS Experiments at Spallation Sources

ICANS XVI, The 16th Meeting of the International Collaboration on Advanced Neutron Sources

Neuss, Deutschland 12. May - 15. May 2003

Invited Talk

*Lechner, R. E.***Multichopper-TOF Spectrometers for QENS Experiments on Complex Systems**IPN2003, International Symposium on Pulsed Neutron Science and Instruments
Tsukuba, Japan 27. Oct - 30. Oct 2003

Invited Talk

*Lechner, R. E.***Observation Time Variation in QENS Experiments on Complex Systems**International Workshop on the Scientific Opportunities with Cold neutron Time-of-Flight Spectroscopy
Washington DC, USA 13. Jul - 16. Jul 2003

Invited Talk

*Lechner, R. E.***Löslichkeitsverhalten und Hydratisierungs-Dynamik von Cyclodextrinen; Nutzung der variablen Auflösung bei Untersuchungen mit Quasielastischer Neutronenstreuung**Projekt-Workshop, Treffen des Kompetenzverbunds zur Unterstützung des NEAT2005-Projekts
HMI Berlin 04. Jul - 04. Jul 2003

Poster

*Schemmel, S.; Shi, H.; Akcakayiran, D.; Zhang, S.; Steitz, R.; Findenegg, G.H.***Self Organising Surface Structures of a Triblock Copolymer from Aqueous Solutions**BENSC User's Meeting 2003
Berlin 16. May - 16. May 2003

Invited Talk

*Schneider, R.; Genzel, C.***Non-destructive analysis of residual stress profiles using neutron and synchrotron radiation**Workshop Springback
Inpro GmbH, Berlin 13. Mar - 14. Mar 2003

Invited Talk

*Schneider, R.; Genzel, C.***Non-Destructive Residual Stress an Texture Analysis using Neutron and Synchrotron Radiation**DGzfP Fachauschuss Durchstrahlungsprüfung
Garbsen 03. Dec - 04. Dec 2003

Poster

*Schneider, R.; Poeste, T.; Freydank, H.***Stress and Strain Analysis: The NEW Material Research Diffraktometer E3 at BENSC**

ECNS

Montpellier 03. Sep - 03. Sep 2003

Invited Talk

*Steitz, R.; Gutberlet, T.; Hauss, T.; Klösgen, B.; Krastev, R.; Schemmel, S.; Simonsen, A. C.; Findenegg, G. H.***Nanobubbles and Their Precursor Layer at the Solid/Liquid Interface**BENSC User's Meeting 2003
Berlin 16. May - 16. May 2003

Oral

*Steitz, R.; Gutberlet, T.; Hauss, T.; Klösgen, B.; Krastev, R.; Schemmel, S.; Simonsen, A. C.; Findenegg, G. H.***Depletion of Water near an Extended Hydrophobic Surface**3rd European Conference on Neutron Scattering
Montpellier 03. Sep - 06. Sep 2003

Oral

*Steitz, R.; Schemmel, S.; Gutberlet, T.; Hauss, T.; Klösgen, B.; Simonsen, A. C.; Krastev, R.; Findenegg, G. H.***Nanobubbles and Their Precursor Layer at the Interface of Water against a Hydrophobic Substrate**102. Bunsentagung
Kiel 29. May - 31. May 2003

Poster

*Vorderwisch, P.; Sobolev, O.; Desmedt, A.***NH₃ quantum rotators in Hofmann clathrates: intensity and width of rotational transition lines**3rd European Conference on Neutron Scattering (ECNS 2003)
Montpellier, France 03. Sep - 03. Sep 2003

Invited Talk

Vorderwisch, P.; Sobolev, O.

NH₃ quantum rotations in Hofmann-type clathrates studied by inelastic neutron scattering

International Workshop on Quantum Atomic & Molecular Tunneling in Solids(QAMTS XII)
University of Florida, Gainesville, USA 22. Jun - 25. Jun 2003

SF2.BENSC

Poster

Hutana V., Rupp A.

Studies on optical pumping cells (OPC's) to polarise ³He

3rd European Conference on Neutron Scattering
Montpellier (France) 03. Sep - 06. Sep 2003

Oral

Hutana V., Habicht K., Rupp A.

Neutron spin filters (NSF) obtained by metastability-exchange optical pumping (MEOP) and mechanical compressing of ³He gas

The 7th Conference on Optics ROMOPTO 2003
Constanta (Rumaenien) 08. Sep - 11. Sep 2003

Oral

Graeme R Blake, Laurent Chapon, Paolo G Radaelli, Matthias J Gutmann, Dimitri N Argyriou, John F Mitchell

Structural and magnetic ordering in Pr_{0.65}(Ca_ySr_{1-y})_{0.35}MnO₃ : quantum critical point versus phase segregation scenarios

American Physical Society March Meeting
Austin, Texas 03. Mar - 07. Mar 2003

Poster

Hahlin, A.; Holub-Krappe, E.; Maletta, H.; Andersson, C.; Hunter-Dunn, J.; Karis, O.; Arvanitis, D.

The Temperature-driven magnetization in a Co film: an XMCD and XMRS magnetometry study.

Workshop :Trends in Materials and Nanoscience;
Strasbourg/Frankreich 01. Oct - 03. Oct 2003

Poster

Liu, Y.T., Fritzsche, H., Hauschild, J., Maletta, H.

Polarized neutron reflectometry study of thin Fe films prepared on V(100)

3rd European Conference on Neutron Scattering
Montpellier, France 03. Sep - 06. Sep 2003

Poster

Többens, D. M.

The use of sapphire sample holders in powder diffraction

11. Jahrestagung der Deutschen Gesellschaft für Kristallographie (DGK)
Berlin 10. Mar - 13. Mar 2003

SF3.BENSC

Poster

De Stefanis,A., Tomlinson,A.G., Steriotis,TH.A., Stefanopoulos,K.L., Keiderling,U.

Nanostructural characterization of catalysts by SANS

3rd European Conference on Neutron Scattering ECNS 2003
Montpellier, France 03. Sep - 06. Sep 2003

Poster

Garcia-Matres, E.

Hard magnetic properties of bulk amorphous Nd₆₀Fe₂₀Co₁₀Al₁₀ investigated by SANSPOL

European Conference on Neutron Scattering
Montpellier (Frankreich) 03. Sep - 05. Sep 2003

Oral

Keiderling,U., Sieger,H., Winterer,M., Hahn,H.
Impact of ultrasonic agitation on ultrafine silica powders dispersed in pure water and NaOH aqueous solution, as analyzed with time-resolved SANS

3rd European Conference on Neutron Scattering ECNS 2003
Montpellier, France 03. Sep - 06. Sep 2003

SF - ISL**ISL_Accelerator**

Oral

Bundesmann, J.

The CODIAN Program for ECR Sources

4th Annual LEIF Meeting

Belfast, UK 28. Jun - 01. Jul 2003

Oral

Busse, W.; Rethfeldt, C.

The ISL-Control-System Upgrade: A Move from an In-House Implementation to a Commercial Control-System

International Conference on Accelerator and Large Experimental Physics Control Systems 2003 (ICALEPCS-2003)

Gyeongju, Korea 13. Oct - 17. Oct 2003

Invited Talk

Homeyer, H.

Status of ISL

ECPM 2002

Warschau/Krakau 17. Sep - 21. Sep 2003

ISL_Instruments

Oral

Denker, A.; Opitz-Coutureau, J.

High-energy PIXE: Quantitative Analysis

16th International Conference on Ion Beam Analysis

Albuquerque, NM, USA 29. Jun - 04. Jul 2003

ISL.PPT

Oral

Cordini, D.; Fuchs, H.; Heufelder, J.; Kluge, H.

Vergleichende CT-gestützte Bestrahlungsplanung in der Augentumorthерапie34. Jahrestagung der Deutschen Gesellschaft für Medizinische Physik
Heidelberg 01. Oct - 04. Oct 2003

Oral

Cordini, D.; Fuchs, H.; Heufelder, J.; Kluge, H.

Comparative CT-aided Planning for Proton Treatment of Uveal Melanoma

PTCOG 38

Chester, UK 14. May - 16. May 2003

Poster

Cordini, D.; Heese, J.; Heufelder, J.; Kluge, H.; Bechrakis, N.E.; Fuchs, H.; Nausner, M.

Aktueller Stand und neue Entwicklungen der Protonentherapie von okularen Tumoren am Hahn-Meitner-Institut Berlin

Symposium on Innovation in Radiation Oncology - Precision and Effectiveness

München 06. Mar - 08. Mar 2003

Oral

Heufelder, J.; Bechrakis, N.E.; Cordini, D.; Fuchs, H.; Heese, J.; Höcht, S.; Homeyer, H.; Kluge, H.

Erfahrungen nach fünf Jahren Protonentherapie von Augentumoren am Hahn-Meitner-Institut Berlin

34. Jahrestagung der Deutschen Gesellschaft für Medizinische Physik

Heidelberg 01. Oct - 04. Oct 2003

Oral

Heufelder, J.; Pfaender, M.; Lüdemann, L.; Grebe, G.; Heese, J.

BANG polymere gel dosimetry in eye tumour therapy

PTCOG 38

Chester, UK 14. May - 16. May 2003

Oral

Höcht, S.; Bechrakis, N.E.; Heese, J.; Kluge, H.; Nausner, M.; Heufelder, J.; Cordini, D.; Foerster, M.; Hinkelbein, W

Protonentherapie am Hahn-Meitner-Institut Berlin: Erste Ergebnisse bei Aderhautmelanom (AHM)9. Jahrekongress der Deutschen Gesellschaft Für Radioonkologie
Essen 28. Jun - 01. Jul 2003

Oral

Kott, P.; Morgenstern, M.; Heese, J.; Heufelder, J.; Zink K.

Einfluss des Reichweitenschiebermaterials auf die ausgedehnten Bragg-Peaks des 68 MeV Protonenstrahls am Hahn-Meitner-Institut Berlin34. Jahrestagung der Deutschen Gesellschaft für Medizinische Physik
Heidelberg 01. Oct - 04. Oct 2003

Poster

Runge, S.; Heufelder, J.; Bechrakis, N.E.; Höcht, S.; Hinkelbein, W.
Lagerung und Positionierung von Patienten bei der Protonentherapie des Aderhautmelanoms
 MTA-Kongress 2003
 Berlin 19. Mar - 21. Mar 2003

Oral

Weber, A.; Cordini, D.; Heese, J.; Heufelder, J.; Homeyer, H.; Kluge, H.; Meseck, A.; Pelzer, W.
Designstudie für ein medizinisches 250 MeV-Protonentherapiezentrum im Raum Berlin
 34. Jahrestagung der Deutschen Gesellschaft für Medizinische Physik, Heidelberg
 Heidelberg 01. Oct - 04. Oct 2003

ISL.User

Poster

Bechrakis, N.E.; Höcht, S.; Martus, P.; Kluge, H.; Foerster, M.H.
Endoresection of Large Uveal Melanomas Following Proton Beam Irradiation
 2003 Annual Meetings - American Academy of Ophthalmology
 Anaheim, USA 15. Nov - 18. Nov 2003

Oral

Bohne, W.; Lindner, S.; Röhrich, J.; Strub, E.
Calibration of various analytical methods with Heavy-Ion ERDA
 ECASIA'03 (10th European Conference on Applications of Surface and Interface Analysis), Berlin, 5. - 10. Oktober 2003
 Berlin 05. Oct - 10. Oct 2003

Invited Talk

Denker, A.
Schneller Wasserstoff als Spürhund in der Kunstanalyse
 Chemie der Kunst, Vortragsreihe zum Jahr der Chemie
 Berlin 25. Apr - 25. Apr 2003

Invited Talk

Denker, A.
Nuclear Particles for Art
 Physikalisches Kolloquium der University of Notre Dame
 Notre Dame, IN, USA 26. Feb - 26. Feb 2003

Invited Talk

Denker, A.
Ions and Art
 14. Edgar Lüscher Seminar 2003
 Serneus, Schweiz 01. Feb - 06. Feb 2003

Oral

Denker, A.; Bohne, W.; Heese, J.; Homeyer, H.; Kluge, H.; Lindner, S.; Opitz-Coutureau, J.; Röhrich, J.; Strub E.
Ion beams for microfilters, tumour therapy, solar cells, and archaeometry
 workshop on the use of ion beams in material sciences, medicine and archaeometry
 Namur Belgien 22. May - 24. May 2003

Poster

Denker, A.; Opitz-Coutureau, J.
Zerstörungsfreie Elementanalyse mit Hochenergie PIXE
 IGAS
 Berlin 19. Nov - 19. Nov 2003

Invited Talk

Heufelder, J.
Entwicklung der Augentumorthерапie am HMI
 Seminar in der AG Brewer, Fachbereich Physik, Freie Universität Berlin
 Berlin 05. Jun - 05. Jun 2003

Poster

Opitz-Coutureau, J.; Bundesmann, J.; Denker, A.; Homeyer, H.
BIBER - The Berlin Ion Beam Exposure and Research Facility
 RADECS 2003: Radiation and Its Effects on Components and Systems
 Noordwijk, Niederlande 15. Sep - 19. Sep 2003

Invited Talk

Opitz-Coutureau, J.; Denker, A.; Couzon, C.; Denk, R.; Griesser, M.; Winter, H.; Nagel, E.
Zerstörungsfreie Elementanalyse durch Hochenergie-PIXE an mittelalterlichen "Wiener Pfennigen" und althinesischen Münzen aus Karakorum (Mongolei)
 Numismatik & Technologie: Fragen und Antworten
 Wien, Österreich 25. Apr - 26. Apr 2003

Oral

Opitz-Coutureau, J.; Denker, A.; Nagel, E.
Fundmünzen aus Karakorum - Zerstörungsfreie Hochenergie PIXE Analyse
 Jahrestagung 2003: Archäometrie und Denkmalpflege
 Berlin 12. Mar - 14. Mar 2003

Poster

Strub, E., Bohne, W., Lindner, S., Röhrich, J.
Elemental characterization and depth profiling on thin layers by Heavy-Ion ERDA
 ANAKON
 Konstanz 02. Apr - 05. Apr 2003

Oral

Strub, E., Bohne, W., Lindner, S., Röhrich, J.
Konzentrations- und Schichtdickenbestimmung mit Schwerionen-ERDA
 FKA12
 Wien 22. Sep - 24. Sep 2003

Poster

Strub, E., Bohne, W., Röhrich, J.
Analytik mit Schwerionen-ERDA
 IGAS-Treffen
 Berlin 19. Nov - 19. Nov 2003

Poster

Strub, E., Bär, M., Bohne, W., Fischer, Ch.-H., Leupolt, B., Lindner, S., Röhrich, J., Schöneich, B.
Characterization of the Stoichiometry of Thin ILGAR-ZnO Layers by Heavy-Ion ERDA
 DPG-Tagung
 Dresden 24. Mar - 28. Mar 2003

Poster

Strub, E., Bär, M., Bohne, W., Fischer, Ch.-H., Leupolt, B., Lindner, S., Röhrich, J., Schöneich, B.
Calibration of an FT-IR spectrometer by Heavy-Ion ERDA
 IBA
 Albuquerque 29. Jun - 04. Jul 2003

SF - BESSY

SF2.BESSY

Oral

Rossner, H.H.; Holub-Krappe, E.; Fieber-Erdmann, M.; Krappe, H.J.
Lattice Dynamics Information Obtained from EXAFS Measurements on Ta
 12th International Conference on X-ray Absorption Fine Structure
 Malmö / Schweden 23. Jun - 27. Jun 2003

SF3.BESSY

Poster

Haibel A.; Rack A.; Kropf H.; Helwig H.-M.; Riesemeier H.; Weidemann G.; Goebbel J.; Banhart J.
Synchrotron-Tomography on Complex Materials
 Bessy User's Meeting 2003
 BESSY, Berlin, Germany 04. Dec - 05. Dec 2003

Poster

Haibel A.; Rack A.; Riesemeier H.; Weidemann G.; Goebbel J.; Banhart J.
Siliziumcarbidverteilungen in ungeschäumten und geschäumten Aluminiumlegierungen
 DPG Frühjahrstagung
 Dresden, Germany 24. Mar - 28. Mar 2003

Oral

Haibel, A.; Riesemeier, H.; Goebbel, J.; Helwig, H.; Banhart, J.
Synchrotron-Tomography on Metallic Foams
 Computed Tomography and Image Processing for Industrial Radiology
 Berlin, Germany 23. Jun - 25. Jun 2003

Oral

Rack, A.; Haibel A.; Matijasevic B.; Riesemeier H.; Weidemann G.; Goebbel J.; Banhart J.
Synchrotron-Tomographie an metallischen Schäumen
 DPG Frühjahrstagung
 Dresden, Germany 24. Mar - 28. Mar 2003

Oral

Rack, A.; Haibel A.; Matijasevic B; Banhart J.
Synchrotron tomography on zinc and aluminium foams
 3rd International Conference on Cellular Metals and Metal Foaming Technology (MetFoam 2003)
 Berlin, Germany 23. Jun - 25. Jun 2003

SF4.BESSY**Poster**

Darowski, N.; Zizak, I.; Assman, W.; Gerlach, J.; Wenzel, A.
Texture modification in Ti layers with swift heavy ions
 Hard Synchrotron X-rays for Texture and Strain Analysis
 Hamburg 09. Apr - 11. Apr 2003

Oral

Darowski, N.; Zizak, I.
Swift heavy ion interaction with matter studied with synchrotron radiation
 6th Autumn School on X-Ray Scattering from Surfaces and Thin Layers
 Uckley, Slovakia 21. May - 23. May 2003

Invited Talk

Denker, A.; Bohne, W.; Heese, J.; Homeyer, H.; Kluge, H.; Lindner, S.; Opitz-Coutureau, J.; Röhrich, J.; Strub, E.
Energieiche Ionen in Medizin und Materialwissenschaften
 Schwerionen als Werkzeug
 Wernigerode 12. May - 13. May 2003

Oral

P. Arndt
Progress in Ion Source Injector Development at the ISL
 SNEAP 2003
 Strasbourg 13. Oct - 16. Oct 2003

Oral

Strub, E., Bohne, W., Lindner, S., Röhrich, J.
Elemental depth profiling of thin layers by Heavy-Ion ERDA
 ICCM 14
 San Diego 14. Jul - 18. Jul 2003

Oral

Weber, J.; Bollmann, J.; Mahnke, H.-E.; Koteski, V.; Knack, S.; Welter, E.
Grenzen des elektrischen Nachweises von EXAFS
 Arbeitstreffen Forschung mit nuklearen Sonden und Ionenstrahlen FSI 2003 Berlin, 30.9.-1.10.2003
 Berlin 30. Sep - 01. Oct 2003

Oral

Zizak, I.
Modification of the texture in thin Ti films using high energy ions
 TRACKS03, Summer school on the evolution of ion tracks in matter
 Mühlhausen 08. Sep - 15. Sep 2003

Oral

Zizak, I.
Surface and Interface Physics at BESSY
 3rd Meeting of the Materials Science Network Valtice, Tschechien 10. Oct - 11. Oct 2003

Poster

Zizak, I.; Darowski, N.; Assmann, W.; Gerlach, J.; Wenzel, A.
Texture modification in Ti layers with swift heavy ions
 BESSY User Meeting
 Berlin 04. Dec - 05. Dec 2003

SF1 - Methods and Instruments**SF1.Methods**

Invited Talk
Clemens, D.
Information from the deep - analysis of stratified media using neutron reflectometry
 Central European Training School on Neutron Beam Experiments
 Budapest, Ungarn 07. Apr - 11. Apr 2003

Poster

Clemens, D., Gutberlet, T.; Stahn, J.; Könnecke, M.; Steitz, R.; Gupta, M.
AMOR - the time-of-flight (TOF) reflectometer with polarized neutrons
 European Conference on Neutron Scattering Montpellier, Frankreich 03. Sep - 06. Sep 2003

Invited Talk

Clemens, D.; Stahn, J.; Gupta, M., Keller, P., Koennecke, M., Gutberlet, T.
Multi Option Time of Flight Reflectometer AMOR at SINQ/PSI
ICANS XVI
 Neuss, Deutschland 12. May - 15. May 2003

Poster

Clemens, D.; Stahn, J.; Gupta, M.; Gutberlet, T.
AMOR - a multi-option time-of-flight neutron reflectometer at SINQ/PSI
 SPG Jahrestagung
 Basel, Switzerland 20. Mar - 21. Mar 2003

Poster

Clemens, D.; Stahn, J.; Gupta, M.; Keller, P.; Koennecke, M.; Gutberlet, T.
Multi option time-of-flight reflectometer AMOR at SINQ/PSI
 European Conference on Neutron Scattering
 Montpellier, Frankreich 03. Sep - 06. Sep 2003

Poster

Gupta, M.; Stahn, J.; Koennecke, M.; Clemens, D.; Gutberlet, T.
AMOR - the time-of-flight multi-option neutron reflectometer at SINQ/PSI
 PSI Summer School on Neutron Scattering
 Zuoz, Schweiz 09. Sep - 15. Sep 2003

Invited Talk

Krist, Th.
Solid state elements for neutron optics
ICANS-XVI
 Düsseldorf-Neuss 12. May - 15. May 2003

Poster

Krist, Th.; Cho, S. J.; Hoffmann, J. E.; Mezei, F.
Interface growth in FeCo-Si multilayers determined with atomic resolution
 Polarized Neutrons and Synchroton X-rays for Magnetism
 Venedig 04. Aug - 08. Aug 2003

Poster

Krist, Th.; Hoffmann, J. E.; Mezei, F.
Solid state neutron optical elements
 BENSC User meeting
 Berlin 16. May - 16. May 2003

Poster

Krist, Th.; Hoffmann, J. E.; Mezei, F.
Solid state neutron optical elements
 European Conference on Neutron Scattering
 Montpellier, France 03. Sep - 06. Sep 2003

Poster

Schneider, R.; Poeste, T; Freydank, H.
Stress and Strain Analysis: The NEW Material Research Diffraktometer E3 at BENSC
 Meca-Sens
 Manchester, UK 08. Sep - 09. Sep 2003

Oral

Teichert, A.; Krist, Th.; Mezei, F.
Stress dependence on sputter parameters for FeCo and Si single and multi layers
 European Conference on Neutron Scattering
 Montpellier, France 03. Sep - 06. Sep 2003

SF1.Others**Poster**

Schemmel, S; Zhang, S.; Steitz, R.; Findenegg, G.H.
Self Organising Surface Structures of a Triblock Copolymer from Aqueous Solution
 Annual Meeting of the DFG Priority Program 1052
 Günzburg 22. Jul - 26. Jul 2003

Invited Talk

Steitz, R.; Wong, J.; Voigt, U.; v.Klitzing, R.
Influence of polymer charge and ionic strength on the properties of polyelectrolyte multilayers
 China Germany Bilateral Symposium on Amphiphiles at Interfaces, AI-SCP03
 Berlin 23. Apr - 25. Apr 2003

SF1.Spallation

Oral

Herbach, C.-M.; Hilscher, D.; Jahnke, U.; Tishchenko, V.; Galin, J.; Letourneau, A.; Peghaire, A.; Filges, D.; Goldenbaum, F.; Nünighoff, K.; Paul, N.; Schaal, H.; Sterzenbach, G.; Pienkowski, L.; Schröder, W.U.; Töke, J.

Composite Particle Emission in GeV-Proton Induced Spallation Reactions - Investigated with the NESSI-Detector at COSY

Frühjahrstagung der DPG, Physik der Hadronen und Kerne

Tübingen 17. Mar - 21. Mar 2003

Oral

Herbach, C.-M.; Hilscher, D.; Jahnke, U.; Tishchenko, V.G.; Galin, J.; Letourneau, A.; Peghaire, A.; Filges, D.; Goldenbaum, F.; Schaal, H.; Sterzenbach, G.; Wohlmuther, M.; Pienkowski, L.; Kostecke, D.; Schröder, W.U.; Töke, J.

NESSI - a Multiple Purpose Detector for Measurements of Nuclear Data in Spallation Reactions

Workshop on Nuclear Data for the Transmutation of Nuclear Waste
GSI-Darmstadt 02. Sep - 05. Sep 2003

Invited Talk

Herbach, C.-M.; Hilscher, D.; Jahnke, U.; Tishchenko, V.G.; Galin, J.; Lott, B.; Letourneau, A.; Peghaire, A.; Filges, D.; Goldenbaum, F.; Nünighoff, K.; Schaal, H.; Sterzenbach, G.; Wohlmuther, M.; Pienkowski, L.; Kostecke, D.; Schröder, W.U.; Töke, J.

Investigation of GeV-Proton Induced Spallation Reactions

COSY-Arbeitsgemeinschaft Nordrhein-Westfälischer Universitäten (CANU)
Bad Honnef 15. Dec - 16. Dec 2003

Invited Talk

Hilscher, D.; Herbach, C.-M.; Jahnke, U.; Tishchenko, V.G.; Galin, J.; Lott, B.; Letourneau, A.; Peghaire, A.; Filges, D.; Goldenbaum, F.; Nünighoff, K.; Schaal, H.; Sterzenbach, G.; Wohlmuther, M.; Pienkowski, L.; Schröder, W.U.; Töke, J.

Investigation of GeV proton induced spallation reactions

Workshop on New Applications of Nuclear Fission (NANUF03)
Bucharest, Romania 07. Sep - 12. Sep 2003

Invited Talk

Lieutenant, K.

Is a RMC-like method necessary to optimize (neutron scattering) instruments numerically?

The first 15 years of Reverse Monte Carlo
Budapest 09. Oct - 11. Oct 2003

Poster

Lieutenant, K.; Krist, T.; Monkenbusch, M.; Zsigmond, G.; Manoshin, S.; Ohl, M.; Mezei, F.

MC simulations of a beamline for a NSE instrument at SNS

ICANS XVI

Neuss 12. May - 15. May 2003

Poster

Lieutenant, K.; Zsigmond, G.

Optimisation of Guide Exits by combining

MC Simulations and Optimisation Routines

ECNS 2003

Montpellier 03. Sep - 06. Sep 2003

Invited Talk

Mezei, F.

Fundamental aspects of optimization of long pulse spallation sources

International Conference on the Collaboration on Addvanced Neutron Sources ICNS-XVI
Jülich 12. May - 15. May 2003

Poster

Tishchenko, V.G.; Jahnke, U.; Herbach, C.-M.; Hilscher, D.

Study of Ternary and Quaternary Spontaneous Fission of 252-Cf with the NESSI Detector

VIII International Conference on Nucleus-Nucleus Collisions (NN2003)
Moscow, Russia 17. Jun - 21. Jun 2003

SF2 - Magnetism**SF2.Bulk magnetism**

Poster

A. Toader, E.D. Adams, V. Boyko, J. Goff, H. Godfrin, S. Matas, M. Meschke, M. Roger, J. Saunders, R. Schanen, E.A. Schubert, N. Shannon, T.E. Sherline, K. Siemensmeyer, Y. Takano .

Neutron scattering from solid 3He.

International conference on Magnetism.
Roma 27. Jul - 01. Aug 2003

Invited Talk

Argyriou, D. N.

The Glass Transition in the Polaron Dynamics of Manganites

American Physical Society march Meeting
Austin, Texas 03. Mar - 07. Mar 2003

Invited Talk

Argyriou, D. N.

Structure and Dynamics of Lattice Polarons in Manganites

International Workshop on Self Organized Strongly Correlated Electron Systems
Santorini, Greece 24. Aug - 30. Aug 2003

Invited Talk

Argyriou, D. N.

Static and Dynamic Charge and Spin Correlations in Layered Manganites

Workshop on Single Crystal Diffuse Scattering at Pulsed Neutron Sources - Argonne National Laboratory

Argonne, USA 13. Jun - 16. Jun 2003

Oral

E. Granado , C. Ling, J.J. Neumeier, J.W. Lynn, D. Argyriou

Phase Segregation in Electron-Doped Manganites: Crossover from Isolated to Overlapping Magnetic Clusters

American Physical Society march Meeting
Austin, Texas 03. Mar - 07. Mar 2003

Oral

F.M. Woodward, J.W. Lynn, M.B. Stone, P. Schiffer, L.C. Chapon, D.N. Argyriou, J.F. Mitchell,

Neutron Investigation of Low Temperature Magnetization Steps in PCMO

American Physical Society March Meeting
Austin, Texas 03. Mar - 07. Mar 2003

Oral

Feyerherm, R.; Loose, A.; Manson, J. L.

Frustrated triangular ordering in manganese tricyanomethanide

DPG Frühjahrstagung 2003

Dresden 24. Mar - 28. Mar 2003

Poster

Feyerherm, R.; Loose, A.; Manson, J.L.; Nojiri, H.

Unusual Magnetic-Field Dependence of Partially Frustrated Triangular Ordering in Manganese Tricyanomethanide

International conference on magnetism
Rome 27. Jul - 01. Aug 2003

SF2.Thin films

Poster

Bansmann, J., Kleibert, A., Methling, R.-P., Bulut, F., Gebhardt, K.R., Holub-Krappe, E., Schmitz, D., Maletta, H., Meiwes-Broer, K.-H.

Element-specific XMCD-studies of mass-filtered Fe and FeCo alloy clusters on ferromagnetic surfaces

BESSY Users' Meeting
Berlin 04. Dec - 05. Dec 2003

Poster

Hahlin, A.; Holub-Krappe, E.; Maletta, H.; Andersson, C.; Hunter-Dunn, J.; Karis, O.; Arvanitis, D.

The Temperature-driven magnetization in a Co film: an XMCD and XMRS magnetometry study.

12th International Conference on X-ray Absorption Fine Structure Malmö / Schweden, Malmö/Schweden 23. Jun - 27. Jun 2003

Invited Talk

Holub-Krappe, E.

X-Ray Spectroscopy in low-dimensional magnetic systems: perspectives for a new HMI facility at BESSY

International Workshop: Magnétisme et Rayonnement Synchrotron
Strasbourg/Frankreich 03. Feb - 04. Feb 2003

Oral

Holub-Krappe, E.; Hahlin, A.; Maletta, H.; Andersson, C.; Hunter-Dunn, J.; Karis, O.; Arvanitis, D.

The Temperature-driven magnetization in a Co film: an XMCD and XMRS magnetometry study

12th International Conference on X-ray Absorption Fine Structure
Malmö/Schweden 23. Jun - 27. Jun 2003

Oral

Holub-Krappe, E.; Hahlin, A.; Maletta, H.; Andersson, C.; Karis, O.; Hunter-Dunn, J.; Arvanitis, D.

The transition to perpendicular magnetization in an ultrathin Co film studied by XMCD and SXRR based magnetometry

European Materials Research Society, E-MRS 2003 Fall Meeting
Warsaw, Poland 15. Sep - 19. Sep 2003

Invited Talk

Maletta, H.

The transition to perpendicular magnetization in an ultrathin Co film studied by XMCD and XRMS based magnetometry

Intern. Colloquium on Magnetic Films and Surfaces (ICMFS2003)
Madrid, Spanien 22. Jul - 25. Jul 2003

Invited Talk

Maletta, H.

Interfacial effects in magnetic nanostructures studied by synchrotron experiments

Intern. Colloquium on Low dimensional Magnetism as seen by Photons and Neutrons
Bochum 22. May - 23. May 2003

Poster

Rossner, H., Schmitz, D., Maletta, H.

L-edges EXAFS in Fe measured at UE46-PGM

BESSY Users' Meeting Berlin
Berlin 04. Dec - 05. Dec 2003

Poster

Schmitz, D., Imperia, P., Maletta, H.

Surface and interface magnetism of Fe on V(110) studied with XMCD at UE46-PGM

BESSY Users' Meeting Berlin
Berlin 04. Dec - 05. Dec 2003

SF3.Microstructure**Invited Talk**

Bansmann, J., Kleibert, A., Methling, R.-P., Bulut, F., Gebhardt, K.R., Getzlaff, M., Holub-Krappe, E., Schmitz, D., Maletta, H., Meiwes-Broer, K.-H.

Mass-filtered FeCo alloy nanoparticles - candidates for a soft-magnetic material with very high magnetic moments?

Intern. Workshop on X-Ray Spectroscopies of Magnetic Solids 2003 (XRMS2003)
Berlin 06. Dec - 07. Dec 2003

SF4.Structures**Oral**

Koteski, V.; Haas, H.; Holub-Krappe, E.; Ivanovic, N.; Mahnke, H.-E.

Lattice Relaxation around Arsenic and Selenium in CdTe

Arbeitstreffen Forschung mit nuklearen Sonden und Ionenstrahlen FSI 2003 Berlin, 30.9.-1.10.2003

Berlin 30. Sep - 01. Oct 2003

Poster

Koteski, V.; Haas, H.; Holub-Krappe, E.; Ivanovic, N.; Mahnke, H.-E.

Lattice Relaxation around Arsenic and Selenium in CdTe

DPG-Frühjahrstagung, Dresden, 24.-28.03.2003

Dresden 24. Mar - 28. Mar 2003

Poster

Koteski, V.; Haas, H.; Holub-Krappe, E.; Ivanovic, N.; Mahnke, H.-E.

Lattice Relaxation around Arsenic and Selenium in CdTe

12th Intern. Conf. on X-Ray Absorption Fine Structure XAFS-12, Malmoe, 22.-27.6.2003

Malmoe 22. Jun - 27. Jun 2003

Poster

Koteski, V.; Haas, H.; Ivanovic, N.; Holub-Krappe, E.; Mahnke, H.-E.

Lattice relaxation around impurity atoms in II-VI compounds

HASYLAB Users Meeting, DESY, Hamburg, 31.01.2003

Hamburg 31. Jan - 31. Jan 2003

SF3 - Materials

SF3.Microstructure

Oral

Griesche, A.; Macht, M.-P.; Suzuki, S.; Frohberg, G.

Diffusion in Liquid Multicomponent Alloys on Pd-Basis

EUROMAT 2003, 1.-5.9. 2003, Lausanne, Switzerland

Lausanne, Switzerland 01. Sep - 05. Sep 2003

Oral

Wanderka, N., Kindratschuk, V., Schubert-Bischoff, P., Macht, M.-P.

Präparation der Hochtemperaturlegierung Inconel 706 für die Untersuchung der Korngrenzen-segregation von Bor mit Hilfe der dreidimensionaler Atomsonde

Metallographie Tagung
Berlin 17. Sep - 17. Sep 2003

SF3.Nanostructures

Oral

Wanderka, N.; Davidov, E.; Miehe, G.; Naundorf, V.; Macht, M.-P.; Banhart, J.

Crystallization of $Pd_{40}Cu_{30}Ni_{10}P_{20}$ Bulk Glass

International Symposium on metastable, mechanically alloyed and nanocrystalline materials (ISMANAM 2003)

Foz do Iquacu, Brazil 24. Aug - 28. Aug 2003

SF4 - Structure and Dynamics

SF4.Dynamics

Oral

Etissa-Debissa, D.; Feyh, A.; Schattat, B.; Bolse, W.; Klaumünzer, S.

Self-organized restructuring of ceramic layers during irradiation with swift heavy ions

DPG-Frühjahrstagung des Arbeitskreises Festkörperphysik
Dresden 24. Mar - 28. Mar 2003

Invited Talk

Klaumünzer, S.

Prospects for materials science

2nd Workshop

GSI, Darmstadt 14. Oct - 17. Oct 2003

Invited Talk

Klaumünzer, S.

Ion track effects in SiO_2

12th Int. Conf. on Radiation Effects in Solids
Gramado/Brazil 31. Aug - 05. Sep 2003

Oral

Klaumünzer, S.

Wellenbildung auf Glasoberflächen

DPG-Frühjahrstagung des Arbeitskreises Festkörperphysik
Dresden 24. Mar - 28. Mar 2003

Invited Talk

Klaumünzer, S.

Umformung von Nano-Strukturen durch Hochenergie Ionenbestrahlung

Ionenstrahltreffen

Dresden 10. Oct - 10. Oct 2003

SF3.Others

Oral

Griesche, A.; Macht, M.-P.; Suzuki, S.; Frohberg, G.

Diffusion in multicomponent Alloys on Pd-Basis near the Liquidus Temperature

DFG Frühjahrstagung

Dresden 24. Mar - 28. Mar 2003

Oral

Kindratschuk, V.; Wanderka, N.; Banhart, J.; Mukherji, D.; Del Genovese, D.; Rösler, J.

Microstructural characterization of Inconel 706 alloy

DPG

Dresden 24. Mar - 24. Mar 2003

Oral

Wanderka, N., Davidov, E., Miehe, G., Naundorf, V., Macht, M.-P., Banhart, J.

Crystallization of $Pd_{40}Cu_{30}Ni_{10}P_{20}$

ISMANAM2003

Foz do Iquacu, Brazil 24. Aug - 24. Aug 2003

Invited Talk

*Klaumünzer, S.***Hochenergie-Ionenstrahlen für die Nano-Technologie**

Ionenstrahltreffen

Augsburg 16. Jun - 16. Jun 2003

Invited Talk

*Mahnke, H.-E.***EXAFS analysis of phase modifications**

Summerschool TRACKS03

Muehlhausen 08. Sep - 15. Sep 2003

Oral

*Renz, T.; Schattat, B.; Paulus, H.; Schrempel, F.; Klaumünzer, S.***Durchmischung von FeOx-Dünnenschichtsystemen unter Hochenergie-Ionenbestrahlung**

DPG-Frühjahrstagung des Arbeitskreises Festkörperphysik

Dresden 24. Mar - 28. Mar 2003

Oral

*Roth, M.; Schiwietz, G.; Czerski, K.; Rösler, M.; Staufenbiel, F.; Grande, P.L.***Desorption from ion tracks**

EAS 2003

Riezern, Austria 16. Feb - 21. Feb 2003

Oral

*Roth, M.; Schiwietz, G.; Grande, P.L.***Time-of-flight neutral-particle spectroscopy**

TRACKS03

Mühlhausen, Germany 08. Sep - 15. Sep 2003

Oral

*Rumbolz, C.; Bolse, W.; Klaumünzer, S.; Schrempel, F.***Durchmischung von Metall/Silizium Grenzflächen mit hochenergetischen Ionen**

DPG-Frühjahrstagung des Arbeitskreises Festkörperphysik

Dresden 24. Mar - 28. Mar 2003

Oral

*Schattat, B.; Bolse, W.; Dhar, S.; Lieb, K.P.; Klaumünzer, S.***Hochenergie-Ionenbestrahlung von Ni₃N/SiX Dünnenschichtsystemen**

DPG-Frühjahrstagung, Arbeitskreis Festkörperphysik

Dresden 24. Mar - 28. Mar 2003

Poster

*Schattat, B.; Renz, T.; Rumbolz, C.; Wiesner, J.; Beuttler, M.; Etissa-Debissa, D.; Elsanousi, A.; Paulus H.; Klaumünzer, S.; Bolse, W.***Grenzflächen unter Beschuss: Hochenergie-Ionenmischen**

DPG-Frühjahrstagung des Arbeitskreises Festkörperphysik

Dresden 24. Mar - 28. Mar 2003

Oral

*Staufenbiel, F.; Schiwietz, G.; Czerski, K.; Roth, M.***Electronic Ion-Track Effects in Be and Al(100)**

Tracks 03

Mühlhausen, Germany 08. Sep - 15. Sep 2003

Oral

*Wiesner, J.; Schattat, B.; Elsanousi, A.; Klaumünzer, S.; Bolse, W.***Segregation und Transport von Atommarkierschichten in den Spuren hochenergetischer Ionen**

DPG-Frühjahrstagung des Arbeitskreises Festkörperphysik

Dresden 24. Mar - 28. Mar 2003

Poster

*Zumkley, T.; Schumacher, G.; Klaumünzer, S.***Hochenergiebestrahlung von nanokristallinem Nickel mit schweren Ionen**

DPG-Frühjahrstagung des Arbeitskreises Festkörperphysik

Dresden 24. Mar - 28. Mar 2003

SF4. Structures

Poster

*Bollmann, J.; Knack, S.; Weber, J.; Koteski, V.; Mahnke, H.-E.; Sielemani, R.; Welter, E.***Selective X-ray Absorption Fine Structure of Deep Level Defect Centers**

12th Intern. Conf. on X-Ray Absorption Fine Structure, XAFS-12, Malmö, 22.-27.6.2003

Malmö 22. Jun - 27. Jun 2003

Poster

*Bollmann, J.; Knack, S.; Weber, J.; Welter, E.; Mahnke, H.-E.; Koteski, V.; Sielemani, R.***Site Selective Detection of Deep Level Centers by X-ray Absorption Fine Structure**

DPG-Frühjahrstagung, Dresden, 24.-28.03.2003

Dresden 24. Mar - 28. Mar 2003

Oral

Chen, W.; Liu, Q.K.K.; Schumacher, G.; Wanderka, N.; Neumann, W.
Elastic Strain Energy Study of Directional Coarsening of gamma₂ Precipitates in Single Crystal Superalloys: A 3D Finite Element Analysis

European Congress and Exhibition on Advanced Materials and Processes: EUROMT 2003

Lausanne, Switzerland 01. Sep - 01. Sep 2003

Poster

Darowski, N.; Zizak, I.; Chen, W.; Schumacher, G.; Klingelhöffer, H.; Neumann, W.
Tetragonal Lattice Distortion of gamma prime precipitates in Single Crystal Superalloys after Creep Deformation

BESSY User Meeting 2003
 BESSY, Adlershof, Berlin 04. Dec - 04. Dec 2003

Oral

Koteski, V., Mahnke, H.-E.
Lattice relaxation around Arsenic in Silicon and CdTe
 41. Workshop Pointdefect, TU Dresden, 21.3.-22.3.2003
 Dresden 21. Mar - 22. Mar 2003

Oral

Koteski, V.; Haas, H.; Holub-Krappe, E.; Ivanovic, N.; Mahnke, H.-E.
Lattice Relaxation around Arsenic and Selenium in CdTe
 Arbeitstreffen Forschung mit nuklearen Sonden und Ionenstrahlen FSI 2003 Berlin, 30.9.-1.10.2003
 Berlin 30. Sep - 01. Oct 2003

Poster

Koteski, V.; Haas, H.; Holub-Krappe, E.; Ivanovic, N.; Mahnke, H.-E.
Lattice Relaxation around Arsenic and Selenium in CdTe
 12th Intern. Conf. on X-Ray Absorption Fine Structure XAFS-12, Malmoe, 22.-27.6.2003
 Malmoe 22. Jun - 27. Jun 2003

Poster

Koteski, V.; Haas, H.; Holub-Krappe, E.; Ivanovic, N.; Mahnke, H.-E.
Lattice Relaxation around Arsenic and Selenium in CdTe
 DPG-Frühjahrstagung, Dresden, 24.-28.03.2003
 Dresden 24. Mar - 28. Mar 2003

Poster

Koteski, V.; Haas, H.; Ivanovic, N.; Holub-Krappe, E.; Mahnke, H.-E.
Lattice relaxation around impurity atoms in II-VI compounds
 HASYLAB Users Meeting, DESY, Hamburg, 31.01.2003
 Hamburg 31. Jan - 31. Jan 2003

Oral

Weber, J.; Bollmann, J.; Knack, S.; Koteski, V.; Mahnke, H.-E.; Sielemani, R.; Welter, E.
Capacitance-transient detection of X-ray Absorption Fine Structure: A possible tool to analyze the structure of Deep-Level Centers?
 10th Intern. Conf. on Gettering and Defect Engineering in Semiconductor Technology GADEST, Zeuthen, 21.-26.9.2003
 Zeuthen 21. Sep - 26. Sep 2003

SE2.Semico**Poster**

Strub, E.; Bär, M.; Bohne, W.; Fischer, Ch.-H.; Leupolt, B.; Lindner, S.; Röhrich, J.; Schöneich, B.
Characterization of the Stoichiometry of Thin ILGAR-ZnO Layers by Heavy-Ion ERDA
 DPG-Frühjahrstagung
 Dresden, Germany 12. Mar - 12. Mar 2003

Oral

Strub, E.; Bär, M.; Bohne, W.; Fischer, Ch.-H.; Leupolt, B.; Lindner, S.; Röhrich, J.; Schöneich, B.
Intensity Calibration of an FT-IR spectrometer by Heavy-Ion ERDA
 16th Conference on Ion Beam Analysis
 Albuquerque, USA 07. Jul - 07. Jul 2003

SF5 - Theory**SF5.Biosystems**

Oral

*Falcke, M.***Stochastische Effekte bei Wellen von intrazellularem Calcium**

Seminar-Reihe "Nichtlinearität und Unordnung in komplexen Systemen" der Fakultät für Naturwissenschaften der Otto-von-Guericke-Universität Magdeburg

Magdeburg 15. Dec - 15. Dec 2003

Oral

*Falcke, M.***Intracellular Ca^{2+} dynamics -A model system for structure formation**

Kolloquium der Fakult

Bielefeld 08. Dec - 08. Dec 2003

Oral

*Falcke, M.***Intracellular calcium dynamics - a stochastic medium**

4. Dresdener Herbstseminar des Arbeitskreises Nichtlineare Physik,

Dresden 9.-12.11.2003 12. Nov - 12. Nov 2003

Oral

*Falcke, M.***Fluctuations and spatial discreteness in intracellular Ca^{2+} dynamics**

Pattern Formation in Physics and Biology

Santa Barbara, USA 17. Aug - 17. Aug 2003

Oral

*Falcke, M.***Stochastic aspects of intracellular Ca^{2+} dynamics**

Workshop

Dresden Sept.15-19, 2003 15. Sep - 15. Sep 2003

Oral

*Frey, E.***Collective Phenomena in Intracellular Transport**

Treffen des DFG Schwerpunktes

Schneverdingen 29. Sep - 02. Oct 2003

Invited Talk

*Frey, E.***The Cytoskeleton: A Model System for Stiff Polymer**

Jülich Soft Matter Days

Kerkrade 18. Nov - 21. Nov 2003

Invited Talk

*Frey, E.***Statistical Mechanics of Stiff Polymer Fibers and Networks**

313. WE Heraeus Seminar

Weingarten 26. Oct - 31. Oct 2003

Invited Talk

*Frey, E.***Physics in Cell Biology**

Indian Annual Theoretical Physics Conference

Kalkutta (Indien) 18. Jan - 25. Jan 2003

Invited Talk

*Frey, E.***Collective Phenomena in Intracellular Transport**

Bioinformatics & System Biology

Dresden 16. Aug - 19. Aug 2003

Invited Talk

*Frey, E.***Collective Phenomena in Intracellular Transport**

Tenth Hopping and Related Phenomena Conference

Trieste (Italien) 01. Sep - 04. Sep 2003

Invited Talk

*Frey, E.***Collective Phenomena in Intracellular Transport**

Classical and quantum barrier transport in complex systems

Dresden 19. May - 24. May 2003

Invited Talk

*Frey, E.***Viscoelasticity of biopolymer networks and statistical mechanics of semiflexible polymers**

International Workshop on Proteomics

Trieste (Italien) 05. May - 16. May 2003

Invited Talk <i>Frey, E.</i> The Cytoskeleton: A Model System for Semiflexible Polymers Challenges in Optical Nanoscopis Bessy (Berlin) 27. Apr - 29. Apr 2003	Invited Talk <i>Lattanzi, G.</i> Protein Motors: kinetics and structure in coarse grained models Workshop ICTP Trieste, Italy 14. Jul - 19. Jul 2003
Invited Talk <i>Frey, E.</i> Collective Phenomena in Intracellular Systems Winterschule E22 Antholz 10. Mar - 14. Mar 2003	Invited Talk <i>Lattanzi, G.</i> Motor Proteins and the Roads upon which they move Statistical Physics Across Disciplines SISSA Trieste, Italy 18. Dec - 19. Dec 2003
Invited Talk <i>Frey, E.</i> Fundamental Physics in Cellular Systems Indian Institute of Science Bangalore (India) 27. Jan - 31. Jan 2003	Poster <i>Lattanzi, G.; Munk, T.; Frey, E.</i> Transverse fluctuations of grafted polymers 313. WE-Heraeus Seminar Weingarten, Germany 26. Oct - 30. Oct 2003
Invited Talk <i>Frey, E.</i> Collective Phenomena in Intracellular Transport Statsitical Mechanics Meeting San Francisco 09. Jan - 13. Jan 2003	Poster <i>Lattanzi, G.; Munk, T.; Frey, E.</i> Transverse fluctuations of grafted polymers Jülich Soft Matter Days 2003 Rolduc-Kerkrade, the Netherlands 19. Nov - 21. Nov 2003
Poster <i>Heussinger, C.</i> Elasticity of Stiff Polymer Networks 313. WE-Heraeus Stiftung: Fibre Systems in Materials Science and Biology/Medicine Weingarten 26. Oct - 30. Oct 2003	Oral <i>Parmeggiani, A; Franosch, T.; Frey, E.</i> Phase Coexistence in one dimensional collective transport 'Classical and Quantum Barrier Transport in Complex Systems' Max Planck Institute, Dresden 20. May - 24. May 2003
Poster <i>Heussinger, C.</i> Elasticity of Stiff Polymer Networks Jülich Soft Matter Days Rolduc, NL 18. Nov - 21. Nov 2003	Oral <i>Thul, R. ; Falcke, M.</i> Spatial Structure and Stability Pattern Formation in Physics and Biology Santa Barbara, CA, USA 17. Aug - 21. Aug 2003
Oral <i>Lattanzi, G.</i> Coarse grained models for the conformational analysis of protein motors DFG Priority Program 'Molecular Motors' and Workshop 'Molecular Motors and New Microscopy Techniques' Schneverdingen 29. Sep - 01. Oct 2003	Poster <i>Thul, R., M.Falcke</i> Spatial discreteness and stability of reaction-diffusion systems 4. Dresdner Herbstseminar Dresden 09. Nov - 12. Nov 2003
Invited Talk <i>Lattanzi, G.</i> Protein Motors: kinetics and structural properties of kinesin Workshop ICTP Trieste, Italy 08. May - 08. May 2003	

Poster

*Thul, R.; Falcke, M.***Calcium profiles of single channel clusters at the membrane of the endoplasmic reticulum**4th European Biophysics Congress
Alicante, Spain 04. Jul - 10. Jul 2003

Oral

*Thul, R.; Falcke, M.***Spatial Structure and Stability**Achtes Herbstseminar
Salzwedel 28. Sep - 30. Sep 2003

Invited Talk

*Fröbrich, P.***Some remarks on deep-inelastic heavy-ion scattering**Sendai Symposium on Nuclear Physics(in celebrating Prof. N. Takigawa's 60th birthday)
Sendai, Japan 16. Nov - 16. Nov 2003**SF5.Hard Matter**

Poster

*Artemyev, A..N. , Beier, T., Eichler, J., Klasnikov, A.E., Kozhuharov, C., Shabaev, V.M., Stoehlker, T., Yerokhin, V.A.***Negative-continuum dielectronic recombination for heavy atoms**23rd International Conference on Photonic, Electronic and Atomic Collisions
Stockholm 23. Jul - 23. Jul 2003

Poster

*Eichler, J., Ichihara, A.***Polarization of photons emitted in radiative electron capture by bare high-Z ions**

Stockholm 23. Jul - 29. Jul 2003

Oral

*Eichler, J., Ichihara, A.***Polarization of photons emitted in radiative electron capture by bare high-Z ions**23rd International Conference on Photonic, Electronic and Atomic Collisions
Stockholm 23. Jul - 23. Jul 2003

Invited Talk

*Fröbrich, P.***Present status of the theory of fission of hot nuclei**Int. Conf. 'From Tunneling Nuclear Microscope to Nuclear Processes in Matter' (Fusion03)
Matsushima, Miyagi, Japan 12. Nov - 12. Nov 2003

Poster

*Klasnikov, A.E., Artemyev, A.N., Beier, T., Eichler, J., Shabaev, V.M., Yerokhin, V. A.***Spin-flip processes for radiative recombination of an electron with H- and Li-like uranium**23rd International Conference on Photonic, Electronic and Atomic Collisions
Stockholm 23. Jul - 23. Jul 2003

Poster

*Shabaev, V.M., Yerokhin, V.A., Artemyev, A.N., Beier, T., Eichler, J.***QED corrections to the REC in heavy ion-atom collisions**23rd International Conference on Photonic, Electronic and Atomic Collisions
Stockholm 23. Jul - 29. Jul 2003**SF5.Others**

Invited Talk

*Gross, D.H.E.***A new Thermodynamics, from Nuclei to Stars.**

XLI International Winter Meeting on Nuclear Physics

Bormio, Italy 26. Jan - 02. Feb 2003

Invited Talk

*Gross, D.H.E.***Geometrical foundation of statistical mechanics, phase-transitions and second law in "small" systems.**

Annual APS March Meeting 2003

Austin, Texas 03. Mar - 07. Mar 2003

Invited Talk

*Gross, D.H.E.***Heat can flow from cold to hot in microcanonical thermo-statistics**

Workshop on Phase Transitions in Nuclear Collisions (PT03)

Niels Bohr Institute 09. Oct - 10. Oct 2003

Invited Talk
Gross, D.H.E.

Classical Equilibrium Thermostatistics, "Sancta Sanctorum of Statistical Mechanics", from Nuclei to Stars.
 NEXT2003 Second Sardinian International Conference on News and Expectations in Thermostatistics
 Cagliari, Italy 21. Sep - 28. Sep 2003

Invited Talk
Gross, D.H.E.

A New Thermodynamics from Nuclei to Stars
 3rd International Workshop on Global Phase Diagrams
 Odessa, Ukraine 14. Sep - 19. Sep 2003

Invited Talk
Gross, D.H.E.

From Nuclei to Stars, New Classical Equilibrium Thermodynamics
 Research Workshop Nucleation Theory and Applications
 Dubna, Russia 12. Apr - 20. Apr 2003

Invited Talk
Krappe, H.-J.

Analytic results on level densities
 10th Nuclear Physics Workshop Marie and Pierre Curie
 Kazimierz Dolny, Polen 24. Sep - 28. Sep 2003

SF5. Soft Matter

Oral

Benetatos, P.

Response of a semiflexible polymer to a uniform field
 90th Statistical Mechanics Meeting
 Rutgers University, New Jersey, USA 14. Dec - 16. Dec 2003

Poster

Franosch, T.; Schultz, M.G.

Light Scattering of Molecular Supercooled Liquids: Molecules of arbitrary Shape
 DYPROSO
 Trieste 22. Sep - 25. Sep 2003

Poster

Kroy, K.

Strain hardening of biological tissue
 Jülich Soft Matter Days
 Kerkrade 18. Nov - 21. Nov 2003

Invited Talk
Kroy, K.

A cluster mode-coupling approach to weak gelation in attractive colloids
 Workshop on Attractive Interaction in Colloidal Systems
 Bad Gastein 18. Jan - 20. Jan 2003

Poster

Sarlah, A.; Frey, E.

Phase behavior of a 2D colloidal system under the influence of 2D periodic external potentials
 European Science Foundation (ESF) PESC Exploratory Workshop: Liquid Crystal Colloid Dispersions
 Bled, Slowenien 28. Aug - 30. Aug 2003

SF6 - Trace Elements

SF6.Analysis

Oral

Alber, D.

Neutronenaktivierungsanalyse- eine gute alte oder eine veraltete Methode?
 13. Jahreskolloquium-IGAS, Vergangenheit, Gegenwart und Zukunft der Berlin 19. Nov - 19. Nov 2003

Oral

Alber, D.; Görner, W; Berger, A.; Haase, O.; Segebade, Chr.

Strahlengeometrie-Aktivierungsanalyse- eine Chance zur Bestimmung von Haupt- und Nebenkomponenten in großen Proben
 GDCh-Jahrestagung Chemie 2003
 München 07. Oct - 07. Oct 2003

Oral

Behne, D.; Alber, A.; Kyriakopoulos, A.

Determination of small amounts of selenium-containing proteins by nuclear analytical methods
 ANS/ENS International Winter Meeting
 New Orleans, USA 16. Nov - 16. Nov 2003

Oral

Berger, A.; Alber, D.

Bestimmung von Cobalt in Nickel bei Gehalten im sub- μ g/g Bereich
 GDCh-Jahrestagung Chemie 2003
 München 06. Nov - 06. Nov 2003

Poster

D. Alber, G. Bukalis, , A. Kyriakopoulos, D. Behne
NAA-Laboratory and Irradiation Service at BER II for Trace Element Analysis
 Gemeinsame Herbsttagung (HMI+GMS)
 Metalloproteine und Metalloidproteine
 Berlin, HMI 06. Nov - 06. Nov 2003

Oral

Falkenberg, G.; Kühbacher, M.; Weseloh, G.; Kyriakopoulos, A.; Behne, D.
Microanalysis of Morbus Alzheimer affected tissue by means of polycapillary-based SRXRF at HASYLAB beamline L
 ICBM: 17th International Congress on X-ray Optics and Microanalysis;
 Chamonix Mont-Blanc, France 22. Sep - 22. Sep 2003

Poster

Kühbacher, M.; Weseloh, G.; Falkenberg, G.; Schade, U.; Kyriakopoulos, A.; Behne, D.
Neurodegenerative disorders investigated with Micro-SRXRF, Micro-XANES and SRFTIR-Spectromicroscopy
 Gemeinsame Herbsttagung (HMI+GMS)
 Metalloproteine und Metalloidproteine
 Berlin, HMI 06. Nov - 06. Nov 2003

Poster

Kühbacher, M.; Weseloh, G.; Falkenberg, G.; Schade, U.; Kyriakopoulos, A.; Behne, D.:
Application of Micro-SRXRF and SRFTIR-Spectromicroscopy in the investigation of neurodegenerative disorders
 HASYLAB User Meeting 2003
 Hamburg 31. Jan - 31. Jan 2003

Oral

Kühbacher, M.; Weseloh, G.; Kyriakopoulos, A.; Behne, D.
Komplementäre Nutzung von Synchrotron-Röntgenfluoreszenzanalyse am BESSY
 Strategiediskussion HMI
 Berlin 06. Jan - 06. Jan 2003

Oral

Lin, X.; Alber, D; Henkelmann, R.
Did Napoleon die from arsenic poisoning?
 INAA results of his hairs cut on different time and places suggest a negative answer
 GDCh-Jahrestagung Chemie 2003
 München 06. Oct - 06. Oct 2003

Poster

Plotnikov, A.; Kyriakopoulos, A.; Behne, D.
Möglichkeiten der Laserablation-ICP-Massenspektrometrie zur Identifizierung von Metallo- und Metalloidproteinen durch Scannen von gelektrophoretisch getrennten Proteinen
 Gemeinsame Herbsttagung (HMI+GMS), Metalloproteine und Metalloidproteine
 Berlin, HMI 06. Nov - 06. Nov 2003

Poster

Weseloh, G.; Kühbacher, M.; Falkenberg, G.; Kyriakopoulos, A.; Behne, D.
Changes of Copper Distribution in Syrian Hamster Brain with Aging, as investigated with the SRXFA- Microprobe
 Gemeinsame Herbsttagung (HMI+G;MS), Metalloproteine und Metalloidproteine
 Berlin, HMI 06. Nov - 06. Nov 2003

Oral

Weseloh, G.; Kühbacher, M.; Kyriakopoulos, A.; Behne, D.:
Investigations of metalloproteins in the CNS and in the reproductive system by Microprobe- Synchrotron Radiation X-Ray Fluorescence Analysis and FTIR-Spectromicroscopy.
 BioXAS on metalloproteins and organism tissue,EMBL Outstation
 Hamburg 22. Jun - 22. Jun 2003

SF6.Clinical app.

Poster

Bertelsmann, H.; Rösick, U.; Alber, D.; Kyriakopoulos, A.; Hammadeh, M.; Behne, D.:
Determination of selenium and zinc in very small amounts of human sperm nuclei
 Gemeinsame Herbsttagung (HMI+GMS), Metalloproteine und Metalloidproteine,
 Berlin 06. Nov - 06. Nov 2003

Poster

Bukalis, K.; Kyriakopoulos, A.; Özaslan, M.; Behne, D.
Determination of trace elements and trace-element-containing proteins in the lung of the rat
 Gemeinsame Herbsttagung (HMI+GMS), Metalloproteine und Metalloidproteine
 Berlin 06. Nov - 06. Nov 2003

Poster

Dalla Puppa, L.; Savaskan, N.E.; Egypoglu, I.Y.; Breuer, A.U.; Kyriakopoulos, A.; Behne, D.; Nitsch, R.

Regulation of microglial activation and proliferation by the essential trace element selenium

Gemeinsame Herbsttagung (HMI+GMS), Metalloproteine und Metalloidproteine, Berlin 06. Nov - 06. Nov 2003

Poster

Dalla Puppa, L.; Savaskan, N.E.; Egypoglu, I.Y.; Bräuer, A.U.; Kyriakopoulos, A.; Behne, D.; Nitsch, R.

Inhibition of microglia activation and proliferation by the essential trace element selenium

VI. European Meeting on Glial Cell Function in Health and Disease
Berlin 06. Sep - 06. Sep 2003

Poster

Hoppe, B.; Kyriakopoulos, A.; Behne, D.

Selenium-containing proteins in the cells involved in the blood-brain barrier

Gemeinsame Herbsttagung (HMI+GMS), Metalloproteine und Metalloidproteine, Berlin 06. Nov - 06. Nov 2003

Oral

Kühbacher, M.; Weseloh, G.; Falkenberg, G.; Schade, U.; Kyriakopoulos, A.; Behne, D.:

Ortsauflösende spektroskopische Untersuchungen von Metalloproteinen in Gewebeproben TSE infizierter Tiere an Synchrotronstrahlungsquellen

Gemeinsame Herbsttagung (HMI+GMS)
Metalloproteine und Metalloidproteine
Berlin 06. Nov - 06. Nov 2003

Oral

Behne, D.; Kyriakopoulos, A.

Selenoproteins and metalloproteins in redox processes and cell protection

HGF-Meeting, Environmental Health
München 08. Apr - 08. Apr 2003

Oral

Behne, D.; Kyriakopoulos, A.

Identification of novel selenoproteins in the mammalian organism and elucidation of their metabolism and functions

3rd Meeting of the Reviewing Panel of the DFG Priority Programme on Selenoproteins & Biochemical basis and clinical aspects
Berlin 24. Nov - 24. Nov 2003

Oral

Behne, D.; Kyriakopoulos, A.:

Effects of chemical form and dosage of dietary selenium on tissue selenium levels and the formation of effective selenium compounds

Meeting, Selenium in Cancer Prevention
Vejle, Dänemark 02. Apr - 02. Apr 2003

Oral

Behne, D.; Kyriakopoulos, A.

Selenium in the mammalian organism: Distribution, functions and requirement

Selenium meeting of the Danish Chemical Society
Kopenhagen, Dänemark 20. Aug - 20. Aug 2003

Oral

Behne, D.; Hoppe, B.; Bertelsmann, H.; Kyriakopoulos, A.

Localization, identification and characterization of mammalian selenium-containing proteins

2nd Colloquium of the DFG-Priority Programme on Selenoproteins
Berlin 07. Jul - 07. Jul 2003

Oral

Kyriakopoulos, A. Behne, D.

Studies of membrane-bound selenoproteins involved in redox processes and antioxidant system

4th International symposium of Trace Elements in Humans: New Perspectives
Athen, Griechenland 09. Oct - 09. Oct 2003

SF6.Proteins

Oral

Behne, D.; Alber, D.; Kyriakopoulos A.

Selenium and selenoproteins in the mammalian organism

Gemeinsame Herbsttagung (HMI+GMS), Metalloproteine und Metalloidproteine
Berlin, HMI 06. Nov - 06. Nov 2003

Oral

Kyriakopoulos, A.; Bukalis, K.; Graebert, A.; Hoppe, B.; Kühbacher, M.; Weseloh, G.; Behne, D.

Localization and characterization of membrane-bound selenoproteins in the liver of the rat

International conference, Membrane, Lipids and Microdomains

Dresden 20. Sep - 20. Sep 2003

Poster

Kyriakopoulos, A.; Graebert, A.; Bukalis, K.; Kiesel, C.; Alber, D.; Behne, D.

Localization of selenoproteins in the cell copartments of the kidney and liver of the rat

Gemeinsame Herbsttagung (HMI + GMS), Metalloproteine und Metalloidproteine

HMI, Berlin 06. Nov - 06. Nov 2003

Oral

Kyriakopoulos, A.; Graebert, A.; Hoppe, B.; Behne, D.

Membrane-bound selenoproteins

International meeting on proteome analysis, Proteomic Forum,

München 14. Oct - 14. Oct 2003

Oral

Kyriakopoulos, A.; Hoppe, B.; Dalla-Puppa, L.; Bukalis, K.; Kiesel, C.; Behne, D.

Proteomics: Identification of selenoproteins in the plasma membrane of rat liver by microcharacterization techniques

1th International Conference in Functional Genomics,

Prag 14. May - 14. May 2003

Oral

Kyriakopoulos, A.; Hoppe, B.; Kühbacher, M.; Weseloh, G.; Behne, D.

Involvement of selenoenzymes in the redox regulation of metabolic process

7th Joint Meeting, Signal Transduction

Weimar 09. Nov - 09. Nov 2003

SF7 - Measurement instrumentation

SF7.Detector

Oral

Gebauer, B.

Development of Very High Resolution & Fast Hybrid 2D Micro-strip Detectors (MSGC & Si-MSD)

7th TECHNI Meeting

University of Coimbra, Coimbra, Portugal 05. May - 06. May 2003

Oral

Gebauer, B.

High-resolution & Fast Hybrid 2D Micro-strip Detectors and Outlook to DETNI

8th TECHNI Meeting

TASC-INFN & ELETTRA, Triest, Italien 09. Oct - 10. Oct 2003

Oral

Gebauer, B.

Overview on DETNI Detector Requirements Incl. Specifics for Hybrid MSGC Detectors

ASIC Workshop

Heidelberg 07. Nov - 07. Nov 2003

Oral

Schulz, Ch.

Entwicklung eines Neutronen-Detektors mit hoher Orts- und Flugzeitauflösung für Experimente an ESS und Reaktoren

34. Arbeitstreffen Kernphysik in Schleching/Obb

Schleching/Obb 20. Feb - 27. Feb 2003

SF7.ERDA

Oral

Bohlen, H.G.; Kalpakchieva, R; von Oertzen, W.; Massey, T.N.; Gebauer, B.; Grimes, S.M.; Kokalova, T.; Lenz, A.; Lenske, H.; Milin, M.; Schulz, Ch.; Thummerer, S.; Torilov, S.; Turino, A.

Molecular and particle-hole structures of neutron-rich Be- and C-isotopes

VIII International Conference on Nucleus-Nucleus Collisions

Moscow, Russia 17. Jun - 17. Jun 2003

Oral

Bohlen, H.G.; von Oertzen, W.; Kalpakchieva, R.; Massey, T.N.; Gebauer, B.; Grimes, S.M.; Kokalova, T.; Lenske, H.; Milin, M.; Schulz, Ch.; Thummerer, S.

Structure of neutron-rich Beryllium and Carbon isotopes

The 8th International Conference on Clustering
Aspects of Nuclear Structure and Dynamics
Nara, Japan 24. Nov - 24. Nov 2003

Invited Talk

Bohlen, H.G.; von Oertzen, W.; Kalpakchieva, R.; Massey, T.N.; Gebauer, B.; Grimes, S.M.; Kokalova, T.; Lenz, A.; Milin, M.; Schulz, Ch.; Thummerer, S.; Torilov, S.; Tumino, A.

Structure studies of light neutron-rich isotopes using heavy-ion induced transfer reactions

International Symposium on Exotic Nuclei
HALO'03
St.-Petersburg, Russia 25. Jun - 25. Jun 2003

SE - Solar Energy Research

SE1 - Silicon photovoltaics

SE1.Cells

Oral

Boehme, C.; Lips, K.

Investigation of Electronic Transitions in Semiconductors with Pulsed Electrically Detected Magnetic Resonance

Specialized Colloque 'AMPERE 2003'

Portoroz, Slovenia 08. Sep - 12. Sep 2003

Invited Talk

Boehme, C.; Lips, K.

The Nature of Dangling Bond Recombination in μ c-Si:H

20th Intern. Conf. on Amorphous and Microcrystalline Semiconductors

Sao Paulo, Brazil 25. Aug - 29. Aug 2003

Oral

Brendel, K.; Nickel, N. H.

Elektron-Spin-Resonanz Untersuchungen an laserkristallisiertem polykristallinem Silizium

DPG-Frühjahrstagung

Dresden 24. Mar - 28. Mar 2003

Poster

Brendel, K.; Nickel, N. H.; Lips, K.; Fuhs, W.

An Electron Paramagnetic Resonance Study on Laser Crystallized Polycrystalline Silicon

20th Intern. Conf. on Amorphous and Microcrystalline Semiconductors

Sao Paulo, Brazil 25. Aug - 29. Aug 2003

Oral

Brendel, K.; Nickel, N. H.; Lips, L.; Fuhs, W.

Electron Spin Resonance Investigation of Laser Crystallized Polycrystalline Silicon

MRS Spring Meeting

San Francisco, USA 21. Apr - 25. Apr 2003

Oral

Brüggemann, R.; Brehme, S.; Kleider, J. P.; Gueunier, M. E.; Bronner, W.

Effects of Proton Irradiation on the Photoelectronic Properties of Microcrystalline Silicon

20th Intern. Conf. on Amorphous and Microcrystalline Semiconductors

Sao Paulo, Brazil 25. Aug - 29. Aug 2003

Invited Talk

Böhme, C.; Lips, K.; Fuhs, W.

The Nature of Dangling Bond Recombination in μ c-Si:H

"Amorphous and thin film semiconductors" Meeting Spring 2003

Cambridge, UK 03. Apr - 04. Apr 2003

Oral

Chukichev, M. V.; Forsh, P. A.; Fuhs, W.; Kazanskii, A. G.

Creation of Metastable Defects in Microcrystalline Silicon Films by keV - Electron Irradiation

20th Intern. Conf. on Amorphous and Microcrystalline Semiconductors

Sao Paulo, Brazil 25. Aug - 29. Aug 2003

Poster

Conrad, E.; Elstner, L.; Fuhs, W.

μ c-Si:H Thin Film Solar Cells with an Absorber Layer Deposited by ECRCVD at a High Deposition Rate of 80-100 nm/min

2nd aSiNet Workshop on Thin Silicon & 9th Euroregional Workshop on Thin Silicon Devices

Lisbon, Portugal 19. Feb - 21. Feb 2003

Poster

Fenske, F.; Reinig, P.; Selle, B.; Fuhs, W.

Pulsed Sputter Deposition: A Novel Approach for Ordered Silicon Film Growth

2nd aSiNet Workshop on Thin Silicon & 9th Euroregional Workshop on Thin Silicon Devices

Lisbon, Portugal 19. Feb - 21. Feb 2003

Oral

Friedrich, F.; Böhme, C.; Lips, K.

Spinabhängige Rekombination an Defekten der c-Si/SiO_x-Grenzfläche

Deutsche Physikerinnentagung

Augsburg 06. Nov - 09. Nov 2003

Oral

Friedrich, F.; Böhme, C.; Lips, K.; Fuhs, W.

Untersuchungen zur Rekombinationskinetik von Pb-Zentren an c-Si/SiO₂-Grenzflächen

DPG-Frühjahrstagung

Dresden 24. Mar - 28. Mar 2003

Invited Talk

*Fuhs, W.***Dünnschichtsolarzellen aus Silizium**

FVS-Jahrestagung

Berlin 25. Sep - 25. Sep 2003

Oral

*Gall, S.; Schneider, J.; Muske, M.; Sieber, I.; Nast, O.; Fuhs, W.***Poly-Si Films on Glass by the Aluminium-Induced Crystallisation of Amorphous Silicon**

2nd aSiNet Workshop on Thin Silicon & 9th Euroregional Workshop on Thin Silicon Devices

Lisbon, Portugal 19. Feb - 21. Feb 2003

Oral

*Klein, J.; Schneider, J.; Muske, M.; Gall, S.; Fuhs, W.***Aluminum-Induced Crystallization of Amorphous Silicon: Influence of the Aluminium Layer on the Process**

E-MRS Conf.

Strasbourg, France 10. Jun - 13. Jun 2003

Oral

*Knipper, U.; Rau, B.; Schwarzkopf, J.; Brehme, S.; Fuhs, W.***Electrical Properties of Low-Temperature Epitaxial Thin Silicon Films**

DPG-Frühjahrstagung

Dresden 24. Mar - 28. Mar 2003

Poster

*Lips, K.; Böhme, C.; Fuhs, W.***Recombination in μ c-Si:H Pin Solar Cells**

20th Intern. Conf. on Amorphous and Microcrystalline Semiconductors

Sao Paulo, Brazil 25. Aug - 29. Aug 2003

Oral

*Nickel, N. H.***Hydrogen Bonding in Zinc Oxide**

MRS Fall Meeting

Boston, USA 01. Dec - 05. Dec 2003

Oral

*Nickel, N. H.; Brendel, K.***Influence of Laser Crystallization on the Hydrogen Density of States Distribution**

20th Intern. Conf. on Amorphous and Microcrystalline Semiconductors

Sao Paulo, Brazil 25. Aug - 29. Aug 2003

Oral

*Nickel, N. H.; Brendel, K.***Influence of Laser Annealing on Hydrogen Bonding in Disordered Silicon Thin Films**

MRS Spring Meeting

San Francisco, USA 21. Apr - 25. Apr 2003

Poster

*Peters, S.; Leihkauf, R.; Wagemann, H. G.***Integrated Series-Interconnected Thin Film Si Solar Cells with 6 V and 12 V Output Voltage**

3rd World Conf. on Photovoltaic Energy Conversion 'WCPEC-3'

Osaka, Japan 11. May - 18. May 2003

Oral

*Petter, K.; Böhme, C.; Rau, B.; Gall, S.; Lips, K.; Fuhs, W.***Photolumineszenz-Untersuchungen an Niedertemperatur homoepitaktisch gewachsenen dünnen Siliziumschichten**

DPG-Frühjahrstagung

Dresden 24. Mar - 28. Mar 2003

Poster

*Rau, B.; Selle, B.; Knipper, U., Brehme, S.; Sieber, I.; Stöger, M.; Schattschneider, P.; Gall, S. Fuhs, W.***Low Temperature Epitaxial Si Absorber Layers Grown by Electron-Cyclotron Resonance Chemical Vapor Deposition**

3rd World Conf. on Photovoltaic Energy Conversion 'WCPEC-3'

Osaka, Japan 11. May - 18. May 2003

Oral

Rau, B.; Selle, B.; Sieber, I.; Gall, S.; Fuhs, W.
Low-Temperature Si Epitaxy by Electron-Cyclotron Resonance Chemical Vapor Deposition

DPG-Frühjahrstagung

Dresden 24. Mar - 28. Mar 2003

Oral

*Rau, B.; Sieber, I.; Selle, B.; Brehme, S.; Knipper, U.; Gall, S., Fuhs, W.***Homo-Epitaxial Si Absorber Layers Grown by Low-Temperature ECRCVD**

E-MRS Conf.

Strasbourg, France 10. Jun - 13. Jun 2003

Oral

Saleh, R.; Nickel, N. H.:

Silicon Hydrogen Bonds in Excimer Laser Crystallized Phosphorus Doped Polysilicon

20th Intern. Conf. on Amorphous and Microcrystalline Semiconductors
Sao Paulo, Brazil 25. Aug - 29. Aug 2003

Oral

Schneider, J.; Gall, S.; Muske, M.; Fuhs, W.

Thin Polycrystalline Silicon Layers Formed by Aluminium-Induced Crystalization

DPG-Frühjahrstagung
Dresden 24. Mar - 28. Mar 2003

Oral

Schneider, J.; Klein, J.; Muske, M.; Gall, S.; Fuhs, W.

Aluminium-Induced Crystallization of Amorphous Silicon: Preparation Impact on Growth Kinetics

20th Intern. Conf. on Amorphous and Microcrystalline Semiconductors
Sao Paulo, Brazil 25. Aug - 29. Aug 2003

Poster

Schneider, J.; Klein, J.; Muske, M.; Schöpke, A.; Gall, S.; Fuhs, W.

Aluminum-Induced Crystallization of Amorphous Silicon: Influence of Oxidation Conditions

3rd World Conf. on Photovoltaic Energy Conversion 'WCPEC-3'
Osaka, Japan 11. May - 18. May 2003

Poster

Sieber, I.; Rau, B.; Schubert-Bischoff, P.; Urban, I.; Fuhs, W.

The Orientation-Dependent Growth of Epitaxial Silicon Layers at Low Temperature

31st Microscopy Conf.
Dresden 07. Sep - 12. Sep 2003

Oral

Stöger, M.; Hébert, C.; Schattschneider, P.; Zandbergen, H. W.; Rau, B.; Gall, S.

SUB-eV Core Level Shifts in Si Grain Boundaries and Nanotwins

6th Multinat. Congress on Microscopy (MCM-6)
Pula, Croatia 01. Jun - 05. Jun 2003

Poster

Stöger, M.; Hébert, C.; Karl-Rückert, E. C.; Schattschneider, P.; Rau, B.; Gall, S.; Zandbergen, H. W.

Investigations of Core Level States in Epitaxial Grown Si Layers by Electron Energy Loss Spectrometry

13th Microscopy of Semiconductor Materials (MSM-13)
Cambridge, UK 31. Mar - 03. Apr 2003

Oral

Stöger, M.; Schattschneider, P.; Schneider, J.; Gall, S.

The ELNES Separation applied to Oxidation States of Interfaces

6th Multinat. Congress on Microscopy (MCM-6)
Pula, Croatia 01. Jun - 05. Jun 2003

Oral

Stöger, M.; Schattschneider, P.; Schneider, J.; Gall, S.; Zandbergen, H. W.

Investigations of Bonding at an Aluminium (III) Oxide Membrane in Si Using ELNES Separation

13th Microscopy of Semiconductor Materials (MSM-13)
Cambridge, UK 31. Mar - 03. Apr 2003

SE1.Hetero

Invited Talk

Angermann, H.; Henrion, W.; Rebien, M.; Röseler, A.

Wet-Chemical Preparation and Spectroscopic Characterization of Silicon Interfaces

III. Intern. Workshop on Semiconductor Surface Passivation - SSP2003, Ustron, Polen, 14.-16.9.2003
Ustron, Poland 14. Sep - 16. Sep 2003

Oral

Bresler, M. S.; Gusev, O. B.; Terukov, E. I.; Fuhs, W.; Froitzheim, A.; Goudovskikh, A. S.; Kleider, J. P.; Weiser, G.

Electroluminescence from Amorphous-Crystalline Silicon Heterostructures

20th Intern. Conf. on Amorphous and Microcrystalline Semiconductors
Sao Paulo, Brazil 25. Aug - 29. Aug 2003

Poster

Froitzheim, A.; Elstner, L.; Kriegel, M.; Stangl, R.; Fuhs, W.
SIM-Hit: A PC-Programm for the Simulation of Heterojunctin Solar Cells to Be Distributed for Public Use
 3rd World Conf. on Photovoltaic Energy Conversion 'WCPEC-3'
 Osaka, Japan, 11. May - 18. May 2003

Oral

Froitzheim, A.; Scherff, M. L. D.; Ulyashin, A.; Schmidt, M.; Fuhs, W.; Fahrner, W. R.
Investigation of a-Si:H(n)/c-Si(p) Heterojunction Solar Cell with an Efficiency of 16 %
 2nd aSiNet Workshop on Thin Silicon & 9th Euroregional Workshop on Thin Silicon Devices
 Lisbon, Portugal 19. Feb - 21. Feb 2003

Oral

Froitzheim, A.; Scherff, M.; Ulyashin, A.; Milch, O.; Schmidt, M.; Fahrner, W. R.; Fuhs, W.:
Amorphous/Crystalline Silicon Heterojunction Solar Cells with Intrinsic Buffer Layer
 3rd World Conf. on Photovoltaic Energy Conversion 'WCPEC-3'
 Osaka, Japan 11. May - 18. May 2003

Oral

Froitzheim, A.; Scherff, M.; Ulyashin, A.; Schmidt, M.; Fahrner, W. R.; Fuhs, W.
a-Si:H/c-Si Heterojunctions for Solar Cell Application
 DPG-Frühjahrstagung
 Dresden 24. Mar - 28. Mar 2003

Poster

Froitzheim, A.; Stangl, R.; Elstner, L.; Kriegel, M.; Fuhs, W.
AFORS-Het: A Computer-Program for the Simulation of Heterojunction Solar Cells to Be Distributed for Public Use
 3rd World Conf. on Photovoltaic Energy Conversion 'WCPEC-3'
 Osaka, Japan 11. May - 18. May 2003

Oral

Gudovskikh, A. S.; Kleider, J. P.; Froitzheim, A.; Fuhs, W.; Terukov, E. I.
Investigation of a-Si:H/c-Si Heterojunction Solar Cells Interface Properties
 E-MRS Conf.
 Strasbourg, France 10. Jun - 13. Jun 2003

Oral

Hartig, P.; Rappich, J.; Dittrich, Th.
Organic buffer-layers on Silicon
 203rd Meeting - Gerischer Symposium on Nanostructured Semiconductor Materials and Interfaces Symposium
 Paris, France 27. Apr - 02. May 2003

Oral

Hartig, P.; Rappich, J.; Dittrich, Th.
Electrochemical Engineering of Si Surfaces by Organic Layers
 203rd Meeting - Gerischer Symposium on Nanostructured Semiconductor Materials and Interfaces Symposium
 Paris, France 27. Apr - 02. May 2003

Poster

Korte, L.; Kliefoth, K.; Schöpke, A.; Laades, A.; Schmidt, M.
The Gap State Density Distribution in Thin a-Si:H Layers on c-Si and Their Correlation to the Interface Properties
 9th Intern. Conf. on the Formation of Semiconductor Interfaces 'ICFSI-9'
 Madrid, Spain 15. Sep - 19. Sep 2003

Poster

Laades, A.; Conrad, E.; Froitzheim, A.; Kliefoth, K.; Schmidt, M.; Fuhs, W.
Growth and Electronic Properties of Thin a-Si:H(n) Emitter Layers
 E-MRS Conf.
 Strasbourg, France 10. Jun - 13. Jun 2003

Oral

Rappich, J.; Yahyaoui, F.; Dittrich, Th.; Lust, S.; Aggour, M.; Lévy-Clément, C.
Nonradiative recombination and band bending at Si surfaces during Electrochemical etching in acidic fluoride solutions
 203rd Meeting - Gerischer Symposium on Nanostructured Semiconductor Materials and Interfaces Symposium
 Paris, France 27. Apr - 02. May 2003

Poster

Schmidt, M.; Milch, O.; Schöpke, A.; Fuhs, W.
Electronic Structure of Silicon Based Heterojunctions Used for Solar Cells
 2nd aSiNet Workshop on Thin Silicon & 9th Euroregional Workshop on Thin Silicon Devices
 Lisbon, Portugal 19. Feb - 21. Feb 2003

Oral

Schmidt, M.; Schöpke, A.; Korte, L.; Milch, O.; Fuhs, W.

The Gap State Density Distribution in Extremely Thin a-Si:H Layers on Crystalline Silicon Wafers

20th Intern. Conf. on Amorphous and Microcrystalline Semiconductors

Sao Paulo, Brazil 25. Aug - 29. Aug 2003

Poster

Stangl, R.; Froitzheim, A.; Fuhs, W.

Design Criteria for Amorphous/Crystalline Silicon Heterojunction Solar Cells, - A Simulation Study

3rd World Conf. on Photovoltaic Energy Conversion 'WCPEC-3'

Osaka, Japan 11. May - 18. May 2003

Poster

Schmidt, M.; Schöpke, A.; Milch, O.; Lußky, T.; Fuhs, W.

Photoelectron Spectroscopic Investigations of Very Thin a-Si:H Layers

MRS Spring Meeting

San Francisco, USA 21. Apr - 25. Apr 2003

SE1.Others

Oral

Angermann, H.; Henrion, W.; Rebien, M.; Röseler, A.

Wet-Chemical Passivation and Non-Destructive Characterisation of Silicon Surfaces

Tag der Chemie, Humboldt Universität Berlin Berlin 24. Jun - 24. Jun 2003

Invited Talk

Fuhs, W.

PV Technologies - Challenges of Photovoltaic-Research

PVPS Workshop "PV in Germany" of the Intern. Energy Agency (IEA)
Berlin 20. Oct - 20. Oct 2003

Invited Talk

Fuhs, W.

Potentials of Photovoltaics

IV. Deutsch-Italienisch Kolloquium für die Wissenschaft

Trent, Italien 20. Oct - 20. Oct 2003

Poster

Fuhs, W.; Gall, S.; Nickel, N.; Schmidt, M.

Crystalline Silicon Thin-Film Solar Cells

Workshop von FVS und PV-Uni-Netz

Berlin 11. Dec - 12. Dec 2003

Oral

Hartig, P.; Sieber, I.; Dittrich, Th.; Rappich, J.

Passivierung und Funktionalisierung von Si-Grenzflächen mittels organischer Schichten

Tag der Chemie, Humboldt Universität Berlin Berlin 24. Jun - 24. Jun 2003

Poster

Schöpke, A.; Korte, L.; Schmidt, M.

Determination of the Gap State Density Distribution in Silicon Based Heterostructures by UV-Photoelectron Spectroscopy

12th Euro-MBE Workshop

Bad Hofgastein, Austria 16. Feb - 19. Feb 2003

Oral

Schöpke, A.; Schmidt, M.; Milch, O.; Fuhs, W.

Electronic Structure of Silicon Based Heterojunctions Used for Solar Cells

DPG-Frühjahrstagung

Dresden 24. Mar - 28. Mar 2003

Poster

Kötschau, I. M.; Bär, M.; Fischer, Ch.-H.; Grimm, A.; Lauermann, I.; Reichardt, J.; Sieber, I.; Sokoll, S.; Lux-Steiner, M. Ch.; Weinhardt, L.; Fuchs, O.; Heske, C.; Jung, Ch.; Gudat, W.; Niesen, T. P.; Karg, F.

X-Ray Emission Study of the ZnO/CIGSSe Interface Before and After Damp Heat Treatment

3rd World Conf. on Photovoltaic Energy Conversion WCPEC-3,
Osaka, Japan, 11. May - 18. May 2003

Oral

Müller, A.-D.; Müller, F.; Angermann, H.; Hetschold, M.

Simulations of Electrical Force Spectra on Semiconductive Surfaces

6th German Vietnamese Seminar on Physics and Engineering
Chemnitz 25. May - 31. May 2003

Oral

Müller, F.; Müller, A.-D.; Angermann, H.; Hetschold, M.

Mikroskopie und Spektroskopie elektrischer Wechselwirkungskräfte auf Halbleiteroberflächen

4. Workshop Rasterkraftmikroskopie in der Werkstoffwissenschaft
Münster 20. Feb - 21. Feb 2003

Invited Talk

Rein, S.; Lips, K.; Schmidt, J.

Materialforschung mit neuen analytischen Methoden

FVS Jahrestagung

Berlin 25. Sep - 25. Sep 2003

Oral

Silaghi, S. D.; Salvan, G.; Kampen, T. U.; Friedrich, M.; Scholz, R.; Angermann, H.; Zahn, D. R. T.:

SERS and DFT Studies of Biomolecular Layers on Silicon Surfaces

DPG-Frühjahrstagung

Dresden 24. Mar - 28. Mar 2003

SE2 - Heterogeneous material systems**SE2.Analytics****Oral**

Fischer, Ch.-H.; Sokoll, S.; Bär, M.; Grimm, A.; Kötschau, I.; Lauermann, I.; Rahne, K.; Reichardt, J.; Sieber, I.; Lux-Steiner, M. Ch.; Weinhardt, L.; Fuchs, O.; Heske, C.; Jung, C.; Gudat, W.; Visbeck, S.; Niesen, T. P.; Karg, F.

Locally resolved characterization of thin film solar cell structures by soft X-ray emission and photoelectron spectroscopy

European Conf. on Surface and Interface Analysis ECASIA 2003
Berlin, Germany 06. Oct - 10. Oct 2003

Oral

Lauermann, I.; Bär, M.; Ennaoui, A.; Fiedeler, U.; Fischer, Ch.-H.; Grimm, A.; Kötschau, I. M.; Lux-Steiner, M. Ch.; Reichardt, J.; Sankapal, B. R.; Siebentritt, S.; Sokoll, S.; Weinhardt, L.; Fuchs, O.; Heske, C.; Jung, C.; Gudat, W.; Karg, F.; Niesen, T. P.

Analysis of zinc compound buffer layers in Cu(In,Ga)(S,Se)₂ thin film solar cells by synchrotron-based soft X-ray spectroscopy

MRS Spring Meeting

San Francisco, USA 21. Apr - 25. Apr 2003

SE2.Concepts**Poster**

Dloczik, L.; Tomm, Y.; Dittrich, Th.; Könenkamp, R.; Lux-Steiner, M.-C.

p-conducting CuAlO₂ prepared as powder and porous film below 400°C

E-MRS 20th Spring Meeting

Strasbourg 10. Jun - 13. Jun 2003

SE2.Semico**Poster**

Beckers, I. E.; Siebentritt, S.; Lux-Steiner M. Ch. (HMI); Wagner, Mt. (U Linköping); Hoffmann, A.; Heiz, R. (TU Berlin)

Photoluminescence Excitation Spectroscopy of CuGaSe₂

MRS Spring Meeting

San Francisco, USA 22. Apr - 25. Apr 2003

Oral

Bär, M.; Rusu, M.; Reiβ, J.; Glatzel, T.; Sadewasser, S.; Bohne, W.; Strub, E.; Muffler, H.-J.; Lindner, S.; Röhrich, J.; Niesen, T.P.; Karg, F.; Lux-Steiner, M.Ch.; Fischer, Ch.-H.
Insights into the Degradation Mechanisms of CIGSSe Devices based on different Heterojunctions

3rd World Conf. Photovoltaic Energy Conversion
 Osaka, Japan 12. May - 18. May 2003

Invited Talk

Klenk, R.
Characterisation and modelling of chalcopyrite solar cells

The 21 COE Symposium on Solar Cells
 Kyoto University, Japan 19. May - 19. May 2003

Invited Talk

Klenk, R.; Bakehe, S.; Kaigawa, R.; Neisser, A.; Reiss, J.; Lux-Steiner, M.Ch.

Potential of wide-gap Cu(In,Ga)S₂

3rd World Conf. Photovoltaic Energy Conversion
 Osaka, Japan 12. May - 18. May 2003

Invited Talk

Klenk, R.; Klaer, J.; Luck, I.; Lux-Steiner, M.Ch.; Meyer, N.; Scheer, R.

An Overview of Chalcopyrite Based Thin-Film Solar Cells

1st SWH Int. Conference 2003
 Segovia, Spain 07. Jul - 10. Jul 2003

Oral

Meeder, A.; Fuertes Marrón, D.; Würz, R.; Lux-Steiner M. Ch.; Kunst, M.

Optoelectronic properties of CuGaSe₂ thin films

MRS Spring Meeting
 San Francisco 21. Apr - 25. Apr 2003

Oral

Neisser, A.; Klenk, R.; Lux-Steiner, M.Ch.

Diffusion of Ga and In in sequentially prepared Cu(In,Ga)S₂ thin films for photovoltaic applications

Materials Research Society Symposium - Proc. Vol. 763
 San Francisco, USA 22. Apr - 27. Apr 2003

Poster

Nishiwaki, S.; Dziedzina, M.; Schuler, S.; Siebentritt, S.; Bär, M.; Rumberg, A.; Rusu, M.; Klenk, R.; Lux-Steiner, M.Ch.

Preparation of CuGaSe₂ Solar Cells and their Optimization

3rd World Conf. Photovoltaic Energy Conversion
 Osaka, Japan 12. May - 18. May 2003

Poster

Nishiwaki, S.; Siebentritt, S.; Lux-Steiner, M.Ch.

Preparation and Characterization of Cu-Ga-Se Films of Ordered Vacancy Compound

MRS Spring Meeting
 San Francisco, USA 22. Apr - 25. Apr 2003

Poster

Rega, N.; Siebentritt, S.; Albert, J.; Lux-Steiner, M.Ch.

Photoluminescence of Cu(In_{1-x}Ga_x)Se₂ epitaxial films grown by MOVPE

MRS Spring Meeting
 San Francisco, USA 22. Apr - 25. Apr 2003

Oral

Rusu, M.; Wiesner, S.; Fuertes Marrón, D.; Meeder, A.; Doka, S.; Bohne, W.; Lindner, S.; Schedel-Niedrig, Th.; Giesen, C.; Heukens, M.; Lux-Steiner M. Ch.

CuGaSe₂ thin films prepared by a novel CCSVT technique for photovoltaic application

E-MRS 20th Spring Meeting 2003
 Strasbourg, France 10. Jun - 13. Jun 2003

Oral

Schedel-Niedrig, Th.; Fuertes Marrón, D.; Meeder, A.; Glatzel, Th.; Bloech, U.; Schubert-Bischoff, P.; Würz, R.; Babu, S. M.; Lux-Steiner M. Ch.

Microstructure and other properties of CVD-grown CuGaSe₂ thin films and thin film solar cells

E-MRS 20th Spring Meeting 2003
 Strasbourg, France 10. Jun - 13. Jun 2003

Oral

Schedel-Niedrig, Th.; Rusu, M.; Wiesner, S.; Fuertes Marrón, D; Meeder, A.; Würz, R.; Bloeck, U.; Schubert-Bischoff, P; Bohne, W.; Lindner, S.; Strub, E.; Röhrich, J.; Jäger-Waldau, A.; Lux-Steiner M. Ch.

Chalcopyrite thin films prepared by novel chemical vapor transport techniques for photovoltaic applications

1th SWH Internat. Conference 2003
Segovia, Spain 07. Jul - 10. Jul 2003

Poster

Strub, E.; Bär, M.; Bohne, W.; Fischer, Ch.-H.; Leupolt, B.; Lindner, S.; Röhrich, J.; Schöneich, B.

Characterization of the Stoichiometry of Thin ILGAR-ZnO Layers by Heavy-Ion ERDA

DPG-Frühjahrstagung
Dresden, Germany 12. Mar - 12. Mar 2003

Oral

Strub, E.; Bär, M.; Bohne, W.; Fischer, Ch.-H.; Leupolt, B.; Lindner, S.; Röhrich, J.; Schöneich, B.

Intensity Calibration of an FT-IR spectrometer by Heavy-Ion ERDA

16th Conference on Ion Beam Analysis
Albuquerque, USA 07. Jul - 07. Jul 2003

SE1.Others**Poster**

Kötschau, I. M.; Bär, M.; Fischer, Ch.-H.; Grimm, A.; Lauermann, I.; Reichardt, J.; Sieber, I.; Sokoll, S.; Lux-Steiner, M. Ch.; Weinhardt, L.; Fuchs, O.; Heske, C.; Jung, Ch.; Gudat, W.; Niesen, T. P.; Karg, F.

X-Ray Emission Study of the ZnO/CIGSSe Interface Before and After Damp Heat Treatment

3rd World Conf. on Photovoltaic Energy Conversion WCPEC-3,
Osaka, Japan, 11. May - 18. May 2003

SE1.Hetero**Oral**

Hartig, P.; Rappich, J.; Dittrich, Th.

Organic buffer-layers on Silicon

203rd Meeting - Gerischer Symposium on Nanostructured Semiconductor Materials and Interfaces Symposium
Paris, France 27. Apr - 02. May 2003

Oral

Hartig, P.; Rappich, J.; Dittrich, Th.

Electrochemical Engineering of Si Surfaces by Organic Layers

203rd Meeting - Gerischer Symposium on Nanostructured Semiconductor Materials and Interfaces Symposium
Paris, France 27. Apr - 02. May 2003

SE5.Energetics**Oral**

Meeder A., Fuertes-Marron D., Wünsch F. and Kunst M. Kunst, M.

Optoelectronic properties of CuGaSe₂ films

EMRS 2003
Strasbourg (Fr.) 10. Jun - 13. Jun 2003

SE3 - Technology**SE3.Control****Poster**

A. Neisser, C. A. Kaufmann, M. A. Kroon, R. Klenk, R. Scheer

Flexible Cu(In,Ga)Se₂ Solar Cell for Space Applications

3rd World Conference on Photovoltaic Energy Conversion
Osaka, Japan 11. May - 16. May 2003

Poster

Djordjevic, J.; Rudigier, E.; Scheer, R.
In-Situ XRD Studies of Sequential Culn(Se,S)₂ Formation
2003 MRS Spring Meeting
San Francisco 21. Apr - 21. Apr 2003

Poster

Scheer, R., Keiichiro Sakurai, Christian A. Kaufmann, Akimasa Yamada, Paul Fons, Yasuyuki Kimura, Tomoyuki Baba, Koji Matsubara, Hisayuki Nakanishi, Shigeru Niki
Process Variants For Cu_{(In_{1-x}Ga_x)Se₂}Deposition Investigated By in situ Spectroscopic Light Scattering
 WCPEC-3
 Osaka - JAPAN 11. May - 16. May 2003

SE4 - Dynamics of interfacial reactions**SE4.Others**

Poster

Alam, M.S.; Rao, B.S.M.; Janata, E.*
Reactions of OH and H with aliphatic alcohols. A pulse radiolysis study
 23rd Miller Conference on Radiation Chemistry and Pulse 2003 session
 Bialowieza, Polen 06. Sep - 12. Sep 2003

Oral

Janata, E.
Cerenkov emission in a "foil" of optical fibers as a means for monitoring the excitation in pulse radiolysis experiments
 23rd Miller Conference on Radiation Chemistry and Puls 2003 Session
 Bialowieza, Polen 06. Sep - 12. Sep 2003

Poster

Janata, E.*; Ershov, B.G.; Alam, M.S.
Reaction of H and OH with H₂O₂ in aqueous solution
 23rd Miller Conference on Radiation Chemistry and Pulse 2003 Session
 Bialowiza, Polen 06. Sep - 12. Sep 2003

SE5 - Solar energy**SE5.Energetics**

Poster

Aggour, M.; Murrell, C. P.; Jungblut, H.; Kanis, M.; Goncalves, E.; Gaul, M.; Winkelkemper, M.; Lewerenz, H. J.

(Photo)electrochemically Induced Surface Transformations at Polycrystalline CuInS₂ Solar Cell Absorbers

ECS Meeting Paris, France, 27.04.-02.05.2003
 Paris, France 01. May - 01. May 2003

Oral

Bogdanoff, P.
Carbon Supported Iron and Cobalt Based Catalysts for the Electro-Reduction of Oxygen in PEM-FCs.

International Society of Electrochemistry-54th Annual Meeting-Sao Pedro, Brazil-31.Aug.-5.Sept. 2003
 Sao Pedro, Brazil 30. Sep - 05. Oct 2003

Oral

Calvet, W.; Lewerenz, H. J.; Pettenkofer, C.
Molekularstrahlepitaxie von CuInS₂ auf GaAs
 DPG-Frühjahrstagung, Dresden, Germany, 24.-28.03.2003
 Dresden, Germany 26. Mar - 26. Mar 2003

Oral

Citarella G., Abdallah O., Wünsch F. and Kunst, M.
The study of the electric properties of the insulator/crystalline silicon interface by contactless methods
 INFOS 2003
 Barcelons (Sp.) 18. Jun - 20. Jun 2003

Oral

Ellmer, K.
Kurze Geschichte des Magnetronputters
 X. Erfahrungsaustausch
 Mühlleithen 18. Mar - 20. Mar 2003

Oral

Goncalves, E.; Jakubowicz, J.; Jungblut, H.; Lewerenz, H. J.
Photoelectrochemical Surface Conditioning of Si in NH₄F: Initial Nanopores
 DFG-Workshop "Semiconductor Electrochemistry", Seeheim, Germany, 24.-25.02.2003
 Seeheim, Germany 24. Feb - 24. Feb 2003

Oral

Gonçalves, E.; Jungblut, H.; Jakubowicz, J.; Lewerenz, H. J.
Initielle Strukturbildungsprozesse an photoelektrochemisch modifiziertem Si(111): Eine kombinierte AFM und PES Studie
DPG-Frühjahrstagung, Dresden, Germany, 24.-28.03.2003
Dresden, Germany 25. Mar - 25. Mar 2003

Oral

Jungblut, H.; Jakubowicz, J.; Goncalves E.; Lewerenz, H. J.
Self-organised and patterned nanostructures on silicon
Fischer Symposium, Munich, Germany, 21.-25.07.2003
Munich, Germany 24. Jul - 24. Jul 2003

Poster

Jungblut, H.; Jakubowicz, J.; Goncalves E.; Lewerenz, H. J.
Self-organised and AFM induced nanostructures on silicon
Fischer Symposium, Munich, Germany, 21.-25.07.2003
Munich, Germany 24. Jul - 24. Jul 2003

Oral

Kunst, M., Neitzert H.-C., Sanders A. and Wünsch F.
Characterization of InP and GaAs films by contactless photoconductivity measurements
EMRS 2003
Strasbourg (Fr.) 10. Jun - 13. Jun 2003

Oral

Kunst, M., Grunow P., Jokisch D. and Wünsch F.
The characterization of multicrystalline silicon for solar cells
GADEST 2003
Zeuthen 21. Sep - 26. Sep 2003

Oral

Kurzweil, A.; Fiechter, S.
Dynamische Wärmestrom-Differenz-Kalorimetrie (DDK/DSC) an Birkenrinde
Jahrestagung des Arbeitskreises Archäometrie in der Fachgruppe Analytische Chemie der GDCh und des Arbeitskreises Denkmalpflege der DMG
Berlin 12. Mar - 15. Mar 2003

Invited Talk

Lewerenz, H. J.
Surface Conditioning for Adsorption of Mesoscopic Entities on Semiconductors
Nanoparticles and Nanodevices for Biological Chemistry, Portsmouth, UK, 15.04 2003
Portsmouth, UK 15. Apr - 15. Apr 2003

Poster

Lewerenz, H. J., Jakubowicz, J.; Aggour, M.; Murrell, C.; Cox, P. A.; H. Jungblut, H.
Initial and Metastable Stages in Porous Si Formation: Mechanistic Aspects of Nanoisland Formation
BESSY User Meeting, Berlin, Germany, 04.-05.12.2003
Berlin, Germany 04. Dec - 04. Dec 2003

Oral

Lewerenz, H. J.; Aggour, M.; Jakubowicz, J.; Murrell, C.; Kanis, M.; Jungblut, H.
Nanostructure Formation on Silicon: a combined SRPES and AFM Investigation
204th ECS Meeting, Orlando, USA, 12.-16.10.2003
Orlando, USA 13. Oct - 13. Oct 2003

Oral

Lewerenz, H. J.; Jungblut, H.; Aggour, M.; Murrell, C.; Kanis, M.; Goncalves, E.; Rüther, E.; Jakubowicz, J.; Cox, P.A.
The Early Stages of Si Roughening in Fluoridic Media: a Surface Analytical Study Using Synchrotron Radiation Photoelectron Spectroscopy and Scanning Probe Microscopy
ECS Meeting Paris, France, 27.04.-02.05.2003
Paris, France 29. Apr - 29. Apr 2003

Oral

Meeder A., Fuertes-Marron D., Wünsch F. and Kunst M., Kunst, M.
Optoelectronic properties of CuGaSe₂ films
EMRS 2003
Strasbourg (Fr.) 10. Jun - 13. Jun 2003

Oral

Niehus M., Sanguino P., Schwarz R., Fedorov A., Martinho J.M.G., Soares M.J., Monteiro T., Wünsch F. and Kunst, M.
Non-radiative and radiative properties of PLD-deposited poly-crystalline GaN studied by UV ps to ns laser pulses
ICAMS 20
Brasil 25. Aug - 29. Aug 2003

Oral

Plagemann, A.; Wiesemann, K.; Ellmer, K.
In situ-Messung von mechanischen Spannungen in Zinkoxidschichten, abgeschieden durch reaktives Magnetronspinnen
 11. Bundesdeutsche Fachtagung Plasmatechnologie Ilmenau 12. Mar - 12. Mar 2003

Poster

Skorupska, K.; Lewerenz, H. J.; Jakubowicz, J.; Jungblut, H.
Self Organised and AFM Induced Formation of Nanostructure Pits by Electrochemical Processing: a Combined Photoelectron Spectroscopy and Scanning Probe Microscopy Investigation
 EMRS Spring Meeting 2003, Strasbourg, France, 10.-13.06.2003
 Strasbourg, France 11. Jun - 11. Jun 2003

Poster

Vollweiler, G.; Groetschel, R.; Ellmer, K.
Epitaxial Growth of Zinc Oxide Films on Sapphire Substrates: Influence of Substrate Orientation and Pretreatment
 16th International Symposium on Plasma Chemistry Taormina (Italy) 22. Jun - 27. Jun 2003

Poster

Weiß, V.; Mientus, R.; Sieber, I.; Ellmer, K.
In situ-EDXRD Study of Nucleation and Growth of Tungsten and Molybdenum Disulfide Films
 16th International Symposium on Plasma Chemistry Taormina (Italy) 22. Jun - 27. Jun 2003

Poster

Wünsch F., Jokisch D., Citarella G. and Kunst, M.
Inhomogeneous distributions of defects studied by transient photoconductivity measurements
 BIAMS 2003
 Villeneuve d'Asq (Fr.) 25. May - 25. May 2003

SE5.Interfaces**Invited Talk**

Jungblut, H.; Lewerenz, H. J.
Porous Si Formation on Highly Doped n-type Samples: Novel Considerations on the Origin of the Current-Voltage Characteristics
 ECS Meeting Paris Paris 27. Apr - 02. May 2003

SE6 - Elektronic structure of semiconductor interfaces**SE6.BESSY****Poster**

Calvet, W.; Lewerenz, H.-J.; Pettenkofer, C.
Heteroepitaxial CuInS₂ films on GaAs(100)
 EMRS spring meeting Strasbourg 10. Jul - 13. Jul 2003

Poster

Calvet, W.; Pettenkofer, C.; Lehmann, C.; Sakurai, K.; Niki, S.; Jaegermann, W.; Hunger, R.
Electronic band structure of CuInSe₂ by ARPES
 BESSY user meeting Berlin 06. Dec - 07. Dec 2003

Oral

Calvet, W.; Pettenkofer, C.; Lewerenz, H.-J.
Molekularstrahlepitaxie von CuInS₂ auf GaAs
 DPG-Frühjahrstagung (AKF) Dresden 24. Mar - 28. Mar 2003

Oral

Pettenkofer, C.; Meier, U.
Morphology of the Si/ZnO interface
 DPG Frühjahrstagung (AKF) Dresden 24. Mar - 28. Mar 2003

Poster

Plake, T.; Bremsteller, W.; Wolf, H.; Pettenkofer, C.

**Silver island formation on Si(111) observed
in situ by X-PEEM**

BESSY user meeting

Berlin 06. Dec - 07. Dec 2003

SE6.Interfaces

Oral

Calvet, W.; Lewerenz, H.-J.; Pettenkofer, C.

**Molecular beam epitaxy of thin CuInS₂ films
on Si**

MRS spring meeting

San Francisco, CA 21. Apr - 25. Apr 2003

Invited Lectures

SF - Structural Research

SF - BENSC

BENSC.User

Schröder-Smeibidl, B.
Neutron autoradiography of large scale paintings, Titian, Rembrandt, La Tour, Poussin
 Universität Zürich, Institut für Anorganische Chemie, Zürich, Switzerland, 28.11.2003

Schröder-Smeibidl, B.
Alte Meister - Gesehen mit den Augen der Neutronen
 Jahr der Chemie, Veranstaltungsreihe in Berlin "Chemie und Kunst", BAM und Rathgenforschungslabor der Stiftung Preussischer Kulturbesitz, Berlin, Germany, 19.09.2003

SF1.BENSC

Strobl, M.
New alternative contrast methods in neutron computer tomography
 Seminar über neue Arbeiten; ATI Wien, ATI Wien, Wien, Austria, 28.10.2003

SF3.BENSC

Kardjilov, N.
Phase-Contrast Radiography with X-rays and Neutrons: Overview and Some Results with Phase-Contrast Neutron Radiography
 Neutronen und deren Anwendungen in Wissenschaft und Industrie, TU München, Fakultät für Physik, München, Germany, 10.03.2003

SF1 - Methods and Instruments

SF1.Dynamics

Pappas, C.
Power-law relaxation in spin glasses: Neutron spin echo and dynamic scaling
 INSA, Toulouse, France, 30.01.2003

Pappas, C.
Relaxation and disorder: The quest for the Griffiths phase
 University of Montpellier, Montpellier, France, 03.04.2003

Steitz, R.
Neutron reflectivity from ultrathin polymeric films
 Forschungsseminar, Humboldt Universität zu Berlin, Institut für Physik, Berlin, Germany, 14.02.2003

Mezei, F.
What atoms do in non-crystalline matter
 University of California San Diego, La Jolla, United States, 27.02.2003

Lieutenant, K.
Protein Dynamics investigated by TOF neutron scattering and other methods
 SF1 Seminar, HMI, Berlin, Germany, 09.03.2003

Mezei, F.
What atoms do in matter?
 BNC Neutron School, Budapest Neutron Center (BNC), Budapest, Hungary, 07.04.2003

SF1.Methods

Krist, T.
Planungen für die Polarisatoren am Spin-Echo-Gerät an der SNS
 Das Spin-Echo-Gerät an der SNS, Forschungszentrum Jülich, Jülich, Germany, 18.04.2003

*Krist, T.***Solid state elements for neutron optics**Kyoto Research Reactor Institute, Kyoto,
Japan, 14.04.2003*Krist, T.***Solid state elements for neutron optics**

RIKEN Institute, Tokyo, Japan, 15.04.2003

*Krist, T.***Solid state elements for neutron optics**Japan Atomic Energy Institute, Tokai, Japan,
16.04.2003*Krist, T.***Solid state elements for neutron optics**Korean Atomic Energy Research Institute,
Daejon, Korea, 24.04.2003*Mezei, F.***Conference Summary**International Workshop on Scientific
Opportunities of Cold Neutron Time-of-Flight
Spectroscopy, Los Alamos National Laboratory,
Penn State University, Bethesda, United States,
15.07.2003*Mezei, F.***New Scientific Opportunities by new
instrumental capabilities in neutron
spectroscopy**International Workshop on the Scientific
Opportunities of Cold Neutron Time-of-Flight
Spectroscopy, Los Alamos National Laboratory,
Penn State University, Bethesda, United States,
14.07.2003*Mezei, F., Russina,M.***Test of coupled cold moderator
performance at Lujan Center**Los Alamos National Laboratory, Los Alamos,
United States, 27.02.2003*Krist, T.***Aspects of neutron optics**

Kyoto University, Kyoto, Japan, 07.05.2003

*Krist, T.***Solid state elements for neutron optics**Korean Physical Society, Seoul, Korea,
26.04.2003*Krist, T.***Solid state elements for neutron optics**China Institute for Atomic Energy, Peking, P.R.
of China, 21.04.2003

SF1. Spallation

*Hilscher, D.***Transmutation - eine Option für die Zukunft?**Technische Universität Dresden, Dresden,
Germany, 24.06.2003*Hilscher, D.***Transmutation - eine Option für die Zukunft?**Universität Stuttgart, Stuttgart, Germany,
15.07.2003*Mezei, F.***The ESS revolution in neutron research
opportunities**Edgar Lüscher Seminar, Universität Duisburg,
Duisburg, Germany, 02.02.2003*Mezei, F., Eccleston,R.C.***Instrumentation and scientific utilisation**

ESS Council, Leipzig, Germany, 01.07.2003

*Lieutenant, K.***New Features in VITESS 2.4**SCANS Meeting, University of Nyköping,
Nyköping, Sweden, 26.09.2003

SF2 - Magnetism**SF2.Bulk magnetism***Graf, H.***Neutronenstreuung - Zur Untersuchung der kondensierten Materie**

Strukturbestimmung, Methodenkombination, Datenbanken, Universität Leipzig, Leipzig, Germany, 10.09.2003

SF2.Thin films*Holub-Krappe, E.***Spin Reorientation Transition in Magnetic Thin Films**

Polish Academy of Sciences, Warsaw, Poland, 10.02.2003

*Maletta, H.***Interfacial effects in magnetic nanostructures as studied by synchrotron experiments**

KFKI RMKI Institute, Budapest, Hungary, 10.09.2003

*Krappe, H.***Bayesian Approach to EXAFS Data Analysis**

Institute of Physics, Polish Academy of Sciences, Warschau, Poland, 10.02.2003

*Holub-Krappe, E.***Spin Reorientation Transition in Au Capped Thin Co Films**

MAX-lab National Laboratory, Lund, Sweden, 30.04.2003

SF3 - Materials**SF3.Light weight mat.***Banhart, J.***Metal foam: manufacturing methods and physics of foaming**

Institut INEGI, Porto, Portugal, 23.05.2003

*Banhart, J.***Metallschäume - Von der Mikrostruktur zur Anwendung**

DGM, Berlin, Germany, 18.09.2003

*Banhart, J.***Foaming metals on earth and in space**

Hungarian Academy of Sciences, Miskolc, Hungary, 18.10.2003

*Banhart, J.***Aluminiumwerkstoffe: Chancen und Herausforderungen durch neue Mikro- und Makrostrukturen**

Werkstoffkolloquium, Universität Karlsruhe, Karlsruhe, Germany, 24.10.2003

SF3.Microstructure*Macht, M.***Zwischen Schmelze und Festkörper-Forschung an metallischen Gläsern am HMI Berlin**

Kolloquium des Fachbereichs Physik der Martin-Luther Universität Halle-Wittenberg, Fachbereich Physik der Martin-Luther Universität Halle-Wittenberg, Halle, Germany, 10.04.2003

*Abromeit, C.***MD simulation of diffusionless phase transformation in Ni-Al**

Kyush University, Fukuaoa 812-8581, Japan, 20.11.2003

SF5 - Theory**SF5.Biosystems***Parmeggiani, A.***Embouteillages sur des autoroutes moléculaires**

Université Montpellier, Montpellier, France, 24.03.2003

Frey, E.

Physics in Cell Biology

Universität Heidelberg, Heidelberg, Germany,
03.02.2003

Lattanzi, G.

Models of Biological Macromolecules

University of Lecce, Lecce, Italy, 07.11.2003

Lattanzi, G.

Cytoskeletal filaments: a biological motivation for physical studies

TIRES Centre, University of Bari, Bari, Italy,
28.04.2003

SF5. Soft Matter

Benetatos, P.

Depinning of semiflexible polymers in (1+1) dimensions

Annual APS March Meeting 2003, American Physical Society, Austin, Texas, United States, 04.03.2003

Kroy, K.

Sand Dunes

Universität Göttingen, Institut f. Theoretische Physik, Göttingen, Germany, 04.07.2003

Kroy, K.

Strain hardening of biological tissue

Universität Konstanz, Konstanz, Germany, 09.09.2003

SF5. Hard Matter

Fritsch, W.

Theory pure and dirty: a physics excursion from the field of atomic collisions to chemical vapor deposition

Kyoto Institute of Technology, Kyoto, Japan,
04.11.2003

Fritsch, W.

Solar Cells from a Chemical Vapor Deposition Reactor: Computational Fluid Dynamics Studies

Venture Business Laboratory, Yamaguchi University, Ube, Japan, 15.10.2003

Fritsch, W.

Atomic Collision Physics for Fusion Plasmas: is Theoretical Physics useful for a Complex Technical Design Problem?

Yamaguchi University, Ube, Japan, 15.11.2003

Fritsch, W.

Solar Cells: Observations and Issues

Yamaguchi University, Ube, Japan, 06.12.2003

Fritsch, W.

Simulations for the Production of Solar Cells: is Theoretical Physics useful for an Engineering Problem

Yamaguchi University, Ube, Japan, 07.11.2003

Kroy, K.

Strain hardening of biological tissue

Universität Leipzig, Leipzig, Germany, 14.07.2003

Basu, A.

Novel universality classes of a coupled driven diffusive system

TU Darmstadt, Physics Department, Darmstadt, Germany, 07.10.2003

SF6 - Trace Elements

SF6.Analysis

Kühbacher, M., Weseloh, G.; Kyriakopoulos, A.; Behne, D.

Lokalisation von Metallen und Metalloiden in Geweben des Zentralen Nervensystems und des männlichen Reproduktionssystems mit Hilfe der Synchrotronröntgenfluoreszenzanalyse

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SE1 - Silicon photovoltaics

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SE6.Interfaces

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SE3	Energy	Pietzker, C.; Scheer, R.	Verfahren zur Herstellung einer Chalkogenid-Halbleiterschicht des Typs ABC2 mit optischer Prozesskontrolle - DE 10119463.3-09	12.04.01	06.03.03
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SE5	Energy	Berenguier, B.; Lewerenz, H.	Elektrochemisches Ätzverfahren zum selektiven Entfernen von Fremdphasen an der Oberfläche eines sulfidhaltigen Chalkopyrithalbleiters - DE 10344315.0-33	21.09.2003
SE5	Energy	Lewerenz, H.	Photovoltaische Solarzelle mit metallischen Nanoemittern und Verfahren zur Herstellung - DE 10347401.3-33	09.10.2003
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SE5, SF4	Energy	Fink, D.; Küppers, U.; Rojas- Chapana, J.; Tributsch, H.	Flexible, atmungsaktive Polymerfolie und Verfahren zu deren Herstellung - DE 10301984.7-43	15.01.2003
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Academic Education

Lectures, Courses, ...

Dep.	Lecturer	Topic	Course	University	SWS
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Summer Term 2003					
SF1	Mezei, F.	Doktorandenseminar	seminar	TU-Berlin	2
SF1	Peters, J.	Bildgebende Verfahren in der Medizinphysik	lecture	TFH-Berlin	4
SF1	Steitz, R.; von Klitzing, P.; Lang, P.	Streumethoden: Grundlage und Anwendung auf Polymer und Kolloidlösungen	lecture	TU-Berlin	2
SF4	Czerski, K.	Kernreaktionen bei niedrigen Energien und schnelle Elektronendynamik	seminar	TU-Berlin	2
SF4	Mahnke, H.	Festkörperphysik mit schweren Ionen	seminar	FU-Berlin	2
SF4	Schiwietz, G.	Kurzzeitdynamik des Festkörpers	seminar	TU-Berlin	2
SF4	Schiwietz, G.	Einführung Physikalisches Grundpraktikum 2	lecture	TU-Berlin	2
SF4	Schumacher, G.	Physik der Superlegierungen	lecture	TU-Berlin	2
SF5	Frey, E.; Franosch, T.; Kroy, K.	Hydrodynamik und Elastizität mit Anwendungen in der Biologie	lecture	FU-Berlin	2
SF6	Behne, D.	Anwendung von Radionukliden in den Biowissenschaften	lecture	FU-Berlin	1
SF6	Kyriakopoulos, A.; Behne, D.	Biochemie von Spurelementen	seminar	FU-Berlin	5
SF6	Kyriakopoulos, A.; Behne, D.	Doktorandenseminar: Ausgewählte Gebiete der Spurelementforschung	seminar	FU-Berlin	2
SF6	Kyrikopoulos, A.	Biochemie von Spurelementen	lecture	FU-Berlin	2
SF7	von Oertzen, w.	Schwerionen Reaktionen	seminar	FU-Berlin	2
SE1	Gall, S.; Wagemann, H.	Grundlagen der Bauelemente für die photovoltaische Energiewandlung	lecture	TU-Berlin	2
SE1	Nickel, N.H.; Richter, W.; Esser, N.	Festkörperphysik I	lecture	TU-Berlin	4
SE2	Ennaoui, A.	Quanten Mechanik II, Photo-Elektrochemie II	lecture	University Mohamed V, Morocco	4
SE2	Fischer, C.	Instrumental analytical chemistry/Analysis of inorganic thin-films	seminar	FU-Berlin	2
SE2	Harneit, W.	Compton Effect	seminar	FU-Berlin	2
SE3	Scheer, R.	Physik erneuerbarer Energien	lecture	Universität Potsdam	2
SE5	Bogdanoff, P.	Untersuchung der katalytischen Aktivität von Übergangsmetallchalkogeniden mit elektrochemischen Methoden	lab course	FU-Berlin	4

Dep.	Lecturer	Topic	Course	University	SWS
SE5	Fiechter, S.	Untersuchung von Übergangsmetallchalkogeniden	lab course	FU-Berlin	4
SE5	Lewerenz, H.J.	Oberflächenphysikalische Untersuchungen an energieumwandelnden Halbleiterstrukturen	seminar	TU-Berlin	2
SE5	Lewerenz, H.J.	Physikalische Elektrochemie	lecture	TU-Berlin	2
SE5	Tomm, Y.	Herstellung von Übergangsmetallchalkogeniden	lab course	FU-Berlin	4
SE5	Tributsch, H.	Physikalische Chemie II für Biochemiker für Biochemiker	lecture	FU-Berlin	2
I	Nielsen, U.	Rechnergeführte elektronische Prozessleittechnik	lecture	TU-Berlin	2

Winter Term 2003/2004					
SF1	Mezei, F.	Doktorandenseminar	seminar	TU-Berlin	2
SF1	Mezei, F.	24th Tutorial on Neutron Scattering	tutorial	TU-Berlin	1
SF1	Mezei, F.	24th Tutorial on Neutron Scattering	lecture	TU-Berlin	2
SF1	Peters, J.	Ausgewählte Kapitel der Physik	lecture	TFH-Berlin	4
SF1	Steitz, R.	Einführung in die physikalische Chemie der Polymere	lecture	TU-Berlin	3
SF3	Banhart, J.; Schiffmann, R.	Technologie der Aluminiumwerkstoffe	lecture	TU-Berlin	4
SF4	Czerski, K.	Kernphysikalische Prozesse der Elementenentstehung im Universum	seminar	TU-Berlin	2
SF4	Mahnke, H.	Festkörperphysik mit schweren Ionen	seminar	FU-Berlin	2
SF5	Frey, E.; Kroy, K.	Theoretische Physik IV (Quantentheorie I)	lecture	FU-Berlin	4
SF5	Frey, E.; Falcke, M.	Nichtlineare Physik und Strukturbildung in Physik, Chemie und Biologie	tutorial	FU-Berlin	2
SF5	Frey, E.; Falcke, M.	Nichtlineare Physik und Strukturbildung in Physik, Chemie und Biologie	lecture	FU-Berlin	2
SF5	Frey, E.; Kroy, K.	Theoretische Physik IV (Quantentheorie I)	tutorial	FU-Berlin	2
SF6	Behne, D.	Spurenelementanalyse: Einführung und spezielle Probleme (Umweltanalytik, Medizin, Biologie)	lecture	FU-Berlin	1
SF6	Kyriakopoulos, A.; Behne, D.	Biochemie von Spurenelementen	seminar	FU-Berlin	5
SF6	Kyriakopoulos, A.	Biochemie von Spurenelementen	lecture	FU-Berlin	2
SF6	Kyriakopoulos, A.; Behne, D.	Doktorandenseminar: Ausgewählte Gebiete der Spurenelementforschung	seminar	FU-Berlin	2
SF7	von Oertzen, W.	Schwerionen Reaktionen	seminar	FU-Berlin	2

Dep.	Lecturer	Topic	Course	University	SWS
SF7	von Oertzen, W.; Kokalova, T.; Hotzel, A.	Kern- und Elementarteilchenphysik	lecture	FU-Berlin	4
SF7	von Oertzen, W.; Kokalova, T.; Hotzel, .	Einführung in die Kern und Teilchen Physik	tutorial	FU-Berlin	2
SF7	von Oertzen, W.; Heese, J.	Einführung in die Kern- und Teilchen Physik	lecture	FU-Berlin	4
SE1	Gall, S.; Wagemann, H.	Grundlagen der Bauelemente für die photovoltaische Energiewandlung	lecture	TU-Berlin	2
SE1	Nickel, N.H.; Richter, W.; Esser, N.	Festkörperphysik II	lecture	TU-Berlin	4
SE2	Fischer, C.; Lauermann, I.	Instrumental Analytical chemistry/Analysis of inorganic thin-films	seminar	FU-Berlin	2
SE2	Fischer, C.; Simon, J.	Instrumental analytical chemistry	lecture	FU-Berlin	2
SE2	Harneit, W.	Compton Effect	seminar	FU-Berlin	2
SE2	Schedel- Niedrig, T.	Instrumentelle Analytik II	lecture	TU-Berlin	3
SE2	Siebentritt, S.	Übungen zur Physik für Naturwissenschaftler	tutorial	FU-Berlin	2
SE3	Scheer, R.	Physik photovoltaischer Solarzellen	lecture	Universität Potsdam	2
SE5	Bogdanoff, P.	Untersuchung der katalytischen Aktivität von Übergangsmetallchalkogeniden mit elektrochemischen Methoden	lab course	FU-Berlin	4
SE5	Fiechter, S.	Grundlagen der Materialpräparation und Charakterisierung sulfidischer Halbleiter	lecture	TU-Berlin	2
SE5	Fiechter, S.	Untersuchung von Übergangsmetallchalkogeniden	lab course	FU-Berlin	4
SE5	Lewerenz, H.J.	Photovoltaische Solarzelle	lecture	TU-Berlin	2
SE5	Lewerenz, H.J.	Oberflächenphysikalische Untersuchungen an energiemandelnden Halbleiterstrukturen	seminar	TU-Berlin	2
SE5	Tomm, Y.	Herstellung von Übergangsmetallchalkogeniden	lab course	FU-Berlin	4
SE5	Tributsch, H.	Bionik-Strategien zur regenerativen Energienutzung	lecture	FU-Berlin	2
I	Nielsen, U.	Rechnergeführte elektronische Prozessleittechnik	lecture	TU-Berlin	2

Exams

Dep.	Author	Title	University	Date
PhD				
SF1	Strobl, M.	New alternative contrast methods in neutron computer tomography	TU Wien	10/03
SF3	Kardjilov, N.	Further developments and applications of radiography and tomography with thermal and cold neutrons	TU München, Fakultät für Physik, E21	06/03
SF4	Koteski, V.	Local structures around impurity atoms in the II-VI compounds	Universität Belgrad	11/03
SF6	Plotnikov, A.	Beiträge zur räumlichen Analyse mittels Scanning Laserablation-ICP-MS unter besonderer Berücksichtigung von Schichtsystemen und Supraleitern	TU Dresden	12/03
SF7	Kokalova, T.	Gamma-ray spectroscopy at deformed states in light nuclei and cluster emission	FU-Berlin	07/03
SF7	Torilov, S.	Spektroskopie of Ca-isotopes	St. Petersburg Universität	12/03
SE1	Blauärmel, A.	Ballistische Elektronen-Emissions-Mikroskopie an Au/Si-Kontakten	TU-Berlin	10/03
SE1	Brendel, K.	Laserkristallisiertes polykristallines Silizium Wasserstoffbindungen und elektronische Eigenschaften	Philipps-Universität Marburg	12/03
SE1	Böhme, C.	Dynamics of spin-dependent charge carrier recombination	Philipps-Universität Marburg	01/03
SE1	Froitzheim, A.	Hetero-Solarzellen aus amorphem und kristallinem Silizium	Philipps-Universität Marburg	07/03
SE1	Rau, B.	Spontane und stimulierte Emission von (Al,In,Ga)N-Heterostrukturen - Untersuchung von konventionellen Heterostrukturen und einer neuartigen "feldfreien" Struktur	HU-Berlin	02/03
SE1	Rebien, M.	Optische Materialuntersuchungen für Si-Dünnschichtsolarzellen: ZnO, Ga ₂ O ₃ und Lichteinfang	HU-Berlin	05/03
SE2	Bär, M.	Neuartige Cd-freie Fensterstruktur für Chalkopyrit-Dünnschichtsolarzellen	TU-Berlin	12/03
SE2	Fuertes-Marrón, D.	Structural and electronic characterization of thin-film solar cells based on CVD-grown CuGaSe ₂	FU-Berlin	07/03
SE2	Glatzel, T.	Kelvinsondenkraftmikroskopie am Heteroübergang (Zn,Mg)O / Cu (In,Ga)(S,Se) ₂ Chalkopyrit	FU-Berlin	12/03
SE2	Lindner, S.	ERDA-Untersuchungen atomarer Diffusionsprozesse in Chalkopyrit-Dünnschichtsolarzellen	FU-Berlin	05/03

SE2	Meeder, A.	Defektspektroskopie an CuGaSe2 aus der halogen-unterstützten Gasphasenabscheidung	FU-Berlin	11/03
SE2	Meyer, C.	Endohedral Fullerenes for Quantum Computing	FU-Berlin	11/03
SE3	Gavilanes Perez, I.	Non destructive electrical and morphological characterisation of chalcopyrite solar cells by infrared thermographical analysis	Universität Salamanca/Spanien	12/03
SE5	Oertel, J.	Materialchemische und elektronische Untersuchungen cobaltdotierter MOCVD-Schichten aus Pyrit für photovoltaische Anwendungen	FU-Berlin	10/03
SE5	Weiß, V.	In situ-Untersuchungen des Wachstums von reaktiv gesputterten MoSx- und WSx-Schichten mit Hilfe der energiedispersiven Röntgenbeugung (EDXRD)	FU-Berlin	04/03

Diploma				
SF1	Hüttner, D.	Aufbau und Test eines Experimentiermessplatzes mit polarisierten Neutronen	TFH-Berlin	11/03
SF7	Lenz, A.	Spektroskopie des neutronenreichen Beryllium-Isotops 11Be mit Multi-Nukleonen-Transferreaktion	TU-Berlin	01/03
SE1	Koepsell, S.	Aluminium-induzierte Kristallisation von amorphem Silizium	Fachhochschule für Technik und Wirtschaft Berlin	10/03
SE2	Chapus, C.	Entwicklung und Umsetzung eines Konzepts für stabile Chalkopyrit-Dünnschichtsolarzellen mit vereinfachtem Aufbau	FU-Berlin	10/03
SE2	Ishii, K.	Growth and Analysis of CuGaSe2 Thin Film and its Application to Solar Cell	Shinshu University	09/03
SE2	Leimeister, R.	Untersuchung von Ionenspuren in diamantartigen Kohlenstoffschichten	FU-Berlin	12/03
SE2	Rahne, K.	Surface modification and Interface characterisation of chalcopyrite solar cells with a ZnSe buffer layer using X-ray emission and photoelectron spectroscopies	FU-Berlin	10/03
SE2	Reichardt, J.	X-Ray emission and photoelectron spectroscopy of chalcopyrite thin film solar cells	HU-Berlin	05/03
SE5	Berenguier, B.	Elektrochemische Entfernung des Kupfersulfides an Kupferindiumsulfid-Dünnschichten	Ecole Nationale Supérieure de Physique de Marseille, France	09/03
SE5	Junghänel, M.	(Physikalisch chemische) Bionik	FU-Berlin	12/03

SE5	Thomalla, M.	Chromatographische Untersuchungen zur photochemischen Umsetzung eines Ruthenium Sensibilisators in Farbstoffsolarzellen	TU-Berlin	03/03
HAD	Günzel, M.	Konzeption und Entwicklung einer Java-Bibliothek zur graphischen Darstellung geologischer Bohrungen	Berufsakademie Berlin	08/03
HAD	Kallies, M.	Animationssequenzen zur Visualisierung dynamischer Kristallgleichgewichte	Berufsakademie Berlin	08/03
HAD	Kühn, J.	Untersuchung bestehender Authentifizierungsmechanismen zur Implementierung auf Security Appliances (Firewalls)	Berufsakademie Berlin	08/03
HAD	Pape, E.	Entwicklung einer Datenbank für Arbeitsgruppen und institutionsübergreifende Kooperationen	Berufsakademie Berlin	08/03
ZF	Griep, J.	Elektromagnetoptimierung für He3-Neutronenstreufilter	BA	07/03

Studienarbeit				
SE1	Eidner, I.	Strukturierung des Kristallisierungsprozesses beim aluminium-induzierten Schichtaustausch	TU-Berlin	06/03

Summer students etc.

Dep.	Name	Status	Home Institution	Time of Stay
SF	Plückhahn, J.	high school trainee	Werner-von-Siemens-Oberschule	20.01.03 - 31.01.03
SF1	De-Gen, Y.	high school trainee	Max-Liebermann-Oberschule	09.01.03 - 30.01.03
SF1	Hüttner, D.	student trainee	TFH Berlin	01.01.03 - 15.10.03
SF1	Lemmer, M.	summer student	Universität Osnabrück	04.08.03 - 26.09.03
SF1	Mummasani, K.K.R.	summer student	Universität Siegen	04.08.03 - 26.09.03
SF1	Qissabi, A.	student trainee	TFH Berlin	01.10.03 - 31.03.04
SF1	Seurig, M.	student trainee	TFH Berlin	21.07.03 - 21.09.03
SF1	Steineweg, R.	summer student	Universität Osnabrück	04.08.03 - 26.09.03
SF1	Weber, G.	high school trainee	Dreilinden-Oberschule	20.10.03 - 31.10.03
SF2	Freire, R.C.e.	student trainee	Fachhochschule Campinas/Brasilien	01.04.03 - 31.05.03
SF2	Prchal, J.	summer student	Universität Prag	04.08.03 - 26.09.03
SF2	Torabi, R.	summer student	Technische Universität Berlin	04.08.03 - 26.09.03
SF3	Reinhard, C.	summer student	Fachhochschule Bonn-Rhein-Sieg	04.08.03 - 26.09.03
SF3	Sète, O.	student trainee	Technische Universität Berlin	01.09.03 - 30.09.03
SF4	Naumann, I.	summer student	Universität Halle-Wittenberg	04.08.03 - 26.09.03
SF4	Walz, B.	summer student	Universität Regensburg	04.08.03 - 26.09.03
SF5	Demougin, D.	high school trainee	Schadow-Oberschule	06.01.03 - 17.01.03
SF5	Obermayer, B.	summer student	FU Berlin	01.06.03 - 30.06.03
SF6	Berann, T.	student trainee	FU Berlin	08.12.03 - 19.12.03
SF6	Jahnke, N.	student trainee	FU Berlin	08.12.03 - 19.12.03
SF6	Kujawa, M.	summer student	Universität Posen	15.07.03 - 01.08.03
SF6	Meier, J.	student trainee	FU Berlin	30.06.03 - 11.07.03
SF6	Müller, N.	student trainee	TFH-Berlin	01.03.03 - 15.07.03
SF6	Nippe, M.	student trainee	TU Berlin	23.06.03 - 01.08.03
SF6	Piecka, A.	student trainee	FU Berlin	30.06.03 - 11.07.03
SF6	Yegen, E.	summer student	Universität Istanbul	17.07.03 - 31.08.03
SE1	De Vincentis, M.D.	summer student	University of Salerno	04.08.03 - 30.09.03
SE1	Hoehne, H.	high school trainee	FHTW Berlin	01.04.03 - 05.08.03
SE1	Lange, F.	student trainee	FHTW Berlin	01.10.03 - 03.02.04
SE2	Arcoulis, M.	summer student	Universität Honduras	04.08.03 - 26.09.03
SE2	Fiebig, A.	high school trainee	Evang. Gym. Zum Grauen Kloster	31.03.03 - 11.04.03
SE2	Garcia, R.F.	summer student	Universität Oviedo	04.08.03 - 26.09.03
SE2	Knist, S.	summer student	Universität Kiel	04.08.03 - 26.09.03
SE2	Krüger, T.	high school trainee	Dreilinden-Oberschule	20.10.03 - 31.10.03
SE2	Petkovic, A.	summer student	Universität Belgrad	04.08.03 - 26.09.03
SE2	Schröder, M.	student trainee	TFH Berlin	29.09.03 - 27.02.04
SE2	Tsiakiris, M.	summer student	Universität Thessaloniki	04.08.03 - 26.09.03

SE3	Garcia Grande, M.	summer student	University of Oviedo	04.08.03 - 26.09.03
SE3	Gavilanes Perez, I.	student trainee	Universität Salamanca	24.11.03 - 09.12.03
SE3	González Llano, M.	student trainee	TFH Berlin	01.10.03 - 18.02.04
SE3	Lauche, J.	student trainee	TFH Berlin	01.05.03 - 30.09.03
SE3	Mücke, M.	summer student	Humboldt-Universität	04.08.03 - 26.08.03
SE5	Ahlbrecht, W.	student trainee	FU Berlin	16.12.03 - 09.01.04
SE5	Ahrenberg, P.	high school trainee	Freie Waldorfschule Kleinmachnow	24.03.03 - 18.04.03
SE5	Curioso, I.	summer student	Universität Salerno	04.08.03 - 25.09.03
SE5	Grohmann, S.	high school trainee	Käthe-Kollwitz-Oberschule	15.09.03 - 26.09.03
SE5	Jahnke, E.	student trainee	FU Berlin	22.01.03 - 26.02.03
SE5	Köppke, S.	high school trainee	Pierre-Laplace-Oberschule	13.01.03 - 30.01.03
SE5	Mummy, F.	student trainee	FU Berlin	01.12.03 - 12.02.04
SE5	Müller, S.	high school trainee	Private-Kant-Schule	10.11.03 - 28.11.03
SE5	Piela, F.	high school trainee	Freie Waldorfschule Kleinmachnow	24.03.03 - 18.04.03
SE5	Rewanz, W.	high school trainee	Werner-von-Siemens-Oberschule	20.01.03 - 31.01.03
SE5	Richter, M.	student trainee	FU Berlin	01.12.03 - 12.02.04
SE5	Wiget, Z.	high school trainee	Wilma-Rudolph-Oberschule	13.01.03 - 30.01.03
SE5	Winterboer, C.	student trainee	FU Berlin	01.12.03 - 09.01.04
SE6	Spill, S.	high school trainee	Leonardo-da-Vinci-Gymnasium	15.09.03 - 02.10.03
DN	Bornemann, I.	high school trainee	Gymnasium der Königin-Luise-Stiftung, Berlin-Zehlendorf	25.08.03 - 12.09.03
DN	Regentrop, S.	student trainee	indisoft Ges. f. Weiterbildung u. Systementwicklung mbH	19.03.03 - 10.07.03
DS	Kressin, A.	student trainee	TFH Berlin	01.11.03 - 20.03.04
ZT	Altmann, C.	student trainee	cimdata.de	12.05.03 - 02.07.03
ZT	Klante, A.	student trainee	TFH Berlin	29.09.03 - 07.02.04
ZB	Fechner, F.	high school trainee	Schule für Blind und Sehbehind.	06.01.03 - 24.01.03
RE	Opitz, C.	high school trainee	Gymnasium Zehlendorf	20.10.03 - 31.10.03

Awards

Dep.	Name	Award
SF2	Holub-Krappe, E.	BESSY-Poster Prize, 05.12.2003
SF3	Haibel, A.	Bessy-poster prize (second winner), 05.12.2003
SF3	Rack, A.	BESSY-poster prize (second winner), 05.12.2003
SF4	Runge, S.	Posterpreis MTA-Kongress 2003, 19.03.2003
SF5	Falcke, M.	Erwin-Schrödinger-Preis d. Stifterverbandes für die Deutsche Wissenschaft, 16.10.2003
SF6	Bukalis, K.	Posterpreis der Gemeinsamen Herbsttagung, 08.11.2003
SF6	Richarz, A.	Schering-Preis, 24.11.2003
SE1	Böhme, C.	Dissertationspreis Adlershof 2003, 03.12.2003
SE1	Koepsell, S.	Preis 2003 des Elektrotechnischen Vereins (ETV Berlin-Brandenburg) sowie Sonderpreis der FHTW Berlin, 01.03.2003
I	Zander, K.	Ehrenmitgliedschaft der TU Berlin, 04.04.2003

Participation in external scientific bodies and committees

Dep.	Name	Committee / Board / Scientific body
SF1	Hilscher, D.	Promotionsausschuss, Örebro University, Sweden
SF1	Hilscher, D.	Isolde Neutron Time-of-Flight Committee, CERN
SF1	Mezei, F.	Journal of Neutron Research
SF1	Mezei, F.	Experimental Facilities Advisory Oversight Committee of the SNS Project, Oakridge (USA)
SF1	Mezei, F.	Scientific Council Laboratoire Leon Brillouin (LLB), Saclay, France
SF1	Mezei, F.	International Advisory Committee of Conference on Polarized Neutrons in Condensed Matter Investigations (PNCMI 2003)
SF1	Mezei, F.	Program Committee ICANS XVI
SF1	Mezei, F.	Instrumentation Subcommittee at Institut Laue-Langevin (ILL), Grenoble
SF1	Mezei, F.	International Advisory Council of the Budapest Neutron Center (BNC), Budapest, Hungary
SF1	Mezei, F.	International Advisory Committee of IPN 2003 Conference
SF1	Mezei, F.	Technical Management Team of the European Spallation Source (ESS)
SF1	Peters, J.	Mitglied der Frauenförderkommission der TFH
SF1	Peters, J.	Mitglied im Vorstand der Akademischen Versammlung der TFH
SF1	Treimer, W.	Präsidium der Technischen Fachhochschule (TFH) Berlin
SF2	Graf, H.	Komitee für Forschung mit Neutronen
SF2	Graf, H.	Instrumentierungsausschuss FRM-II
SF2	Graf, H.	BMBF Gutachterausschuss Erforschung kondensierter Materie an Großgeräten
SF2	Graf, H.	Scientific Council of the ILL
SF2	Holub-Krappe, E.	Wissenschaftliches Komitee zur Vorbereitung der 4th School on Magnetism and Synchrotron Radiation
SF2	Holub-Krappe, E.	Executive Committee of the International X-Ray Society
SF3	Wanderka, N.	International Steering Field Emission Society
SF3	Wanderka, N.	47th International Field Emission Symposium
SF3	Wiedenmann, A.	Experiment Selection Panel, Laboratoire Leon Brillouin (France)
SF3	Wiedenmann, A.	5. Ferrofluid workshop, Mühlheim/Ruhr
SF3	Wiedenmann, A.	ESS Instrumentation committee
SF3	Wiedenmann, A.	IAEA Reseach Co-ordination on SANS
SF3	Wiedenmann, A.	Instrumentation advisory board ANSTO/Australia
SF3	Wiedenmann, A.	Scientific committee, Paul-Scherrer-Institut (Switzerland)
SF4	Mahnke, H.	Forschung mit nuklearen Sonden und Ionenstrahlen
SF4	Schiwietz, G.	ICACS
SF4	Schiwietz, G.	Editorial Board "Nuclear Instruments and Methods"
SF4	Schiwietz, G.	Topical Issue "Tracks03"
SF4	Schiwietz, G.	DAAD-PROBRAL
SF4	Schiwietz, G.	HGF-Strategiefonds "Ionenspuren in Festkörpern"
SF4	Schiwietz, G.	SHIM
SF4	Stolterfoht, N.	Organizing Committee of the International Seminar for Ion-Atom Collisions
SF5	Eichler, J.	Editorial Board Physics Report
SF5	Eichler, J.	Wissenschaftlicher Beirat des Magnus-Hauses der Deutschen Physikalischen Gesellschaft
SF5	Frey, E.	Leiter eines Projektes im SFB 443 an der LMU München

Dep.	Name	Committee / Board / Scientific body
SF5	Frey, E.	Leiter eines Projektes im Schwerpunkt "Molekulare Motoren" der DFG
SF5	Frey, E.	Sonderforschungsbereich Uni Bielefeld
SF6	Behne, D.	Lenkungsausschuss des HGF-Forschungsverbundes Gesundheit
SF6	Behne, D.	Scientific Committee of the Conference Series "Nuclear Analytical Methods in the Life Sciences" (NAMLS)
SF6	Behne, D.	Parent Committee of the Conference Series "Trace Elements in Man and Animals" (TEMA)
SF6	Behne, D.	Lenkungsausschuss des HGF-Programms "Environmental Health"
SF6	Behne, D.	International Scientific Committee of the "8th International Symposium on Metal Ions in Biology and Medicine"
SF6	Behne, D.	Ausschuss des Klinisch-Biochemischen Forschungsverbundes (KBF)
SF6	Kyriakopoulos, A.	international scientific committee of the 8th International Symposium on Metal Ions in Biologie and Medicine
SF6	Kyriakopoulos, A.	GMS
SF6	Kyriakopoulos, A.	Deutsche Gesellschaft für Protein Forschung
SF6	Richarz, A.	Journal of Trace Elements in Medicine and Biology
SF7	von Oertzen, W.	Lise Meitner Prize committee of EPS
SF7	von Oertzen, W.	Programm advisory committee of Institut de Recherches Subanatomie (IreS) Strasbourg (F)
SF7	von Oertzen, W.	Conseil Scientifique du Departement (CSD), Physique nucléaire et corpusculaire, CNRS (F), Mitglied
SE1	Fuhs, W.	Wiss. Beirat ISFH Emmerthal
SE1	Fuhs, W.	Wissenschaftl. Beirat Forschungsallianz Kristalline Silizium Solarzellen Technologie (FACT)
SE1	Fuhs, W.	Internat. Advisory Committee - Internat. Conf. on Amorphous and Microcrystalline Semiconductors (ICAMS)
SE2	Ennaoui, A.	Editorial Board in Solar Energy Materials and Solar Cells
SE2	Ennaoui, A.	pôle de compétence Matière condensée Université Mohamed V, Morocco
SE2	Ennaoui, A.	Editorial Board in Moroccan Journal of Condensed Matter
SE2	Klenk, R.	Scientific Review Committee for the 19th European Photovoltaic Solar Energy Conference and Exhibition
SE2	Lux-Steiner, M.C.	Wissenschaftlicher Beirat der Sulfurcell Solartechnik GmbH
SE2	Lux-Steiner, M.C.	Eidgenössische Energieforschungskommission CORE in der Schweiz
SE2	Lux-Steiner, M.C.	Jury des Innovationspreises Berlin/Brandenburg
SE2	Lux-Steiner, M.C.	Direktorium des nationalen Forschungsverbundes Sonnenenergie FVS (Verbund von außeruniversitären Forschungseinrichtungen auf dem Gebiet der regenerativen Energien)
SE2	Lux-Steiner, M.C.	EUREC Agency
SE2	Lux-Steiner, M.C.	Arbeitskreis "Frauen in Forschungszentren" der HGF
SE2	Lux-Steiner, M.C.	Hochschulrat der Universität Oldenburg
SE2	Lux-Steiner, M.C.	WTA-Aufsichtsrat im Forschungszentrum Jülich (FZJ)(HGF) und Mitglied des Wissenschaftlichen Beirats für Energieforschungsarbeiten im Programm Energie (FZJ)
SE2	Lux-Steiner, M.C.	Wissenschaftlicher Beirat des Berliner Instituts für Kristallzüchtung (IKZ) in der Wissenschaftsgemeinschaft Gottfried Wilhelm Leibniz

Dep.	Name	Committee / Board / Scientific body
SE2	Siebentritt, S.	Scientific Committee EMRS Spring Meeting 2003 SYMPOSIUM D Thin film and nano-structured materials for photovoltaïcs
SE3	Scheer, R.	Steering Committee IP6 Project ATHLET-PV
SE5	Ellmer, K.	AiF-projektes Reaktives Magnetronputtern von CuInS ₂ -Solarzellen
SE5	Ellmer, K.	Verbundprojekt transparente Verbindungshalbleiter
SE5	Tributsch, H.	Associated Member of IUPAC
I	Nielsen, U.	Innovationsförderprogramm der Investitionsbank Berlin
I	Nielsen, U.	Ständige Kommission des Verwaltungsrates des Konrad-Zuse-Zentrums für Informationstechnik Berlin
I	Nielsen, U.	Collaboration Board TESLA des DESY Hamburg
I	Nielsen, U.	Prüfungsausschuss der Fachrichtung Technik der Berufsakademie Berlin
I	Nielsen, U.	Beirat des Fachbereichs Informatik der TFH Berlin
I	Nielsen, U.	Fachkommission Technik der Dualen Kommission des Fachbereichs Berufsakademie an der FH für Wirtschaft Berlin
I	Nielsen, U.	Mitgliederversammlung des DFN Vereins
DN	Grzanna, J.	Applied Optics
DN	Heinzel, I.	NT-PC-Arbeitskreis der HGF
DN	Prigge, G.	HGF-Ausschuss Kommunikations- und Informationsverarbeitung in der Verwaltung (KIV)
DN	Schwarz, B.	NT-PC-Arbeitskreis
DN	Tomiak, A.	Ausschuss für Datenschutz der Arbeitsgemeinschaft der Betriebsräte (AGBR) der Großforschungseinrich
DN	Tomiak, A.	Ausschuss für Grundsatzfragen der Arbeitsgemeinschaft der Betriebsräte (AGBR) der Großforschungseinr
DN	Ziem, P.	Deutsche Oracle-Anwendergruppe e.V. (DOAG)
DN	Ziem, P.	Koordinierungsausschuss Datenverarbeitung (KODA) der HGF
DS	Sauer, O.	Prüfungsausschuss der Fachrichtung Informatik der Berufsakademie Berlin
DS	Wulf, F.	Koordinierungsausschuss für Elektronik und Prozessdatenverarbeitung der HGF
DS	Wulf, F.	Studiengruppe für Elektronische Instrumentierung (SEI)
DS	Wulf, F.	Committee for European Studies on Norms for Electronics (ESONE), XT/TCC

Organization of Scientific Conferences and Meetings

Dep.	Title	Type	Date
SF1	Neutrons, Coherence and Confinement	Workshop	12.10.03 - 14.10.03
SF2	2nd Berlin Workshop on Orbital Physics and Novel Phenomena	Workshop	24.09.03 - 25.09.03
SF3	23th Tutorial Session on Neutron Scattering	Workshop	17.02.03 - 21.02.03
SF3	MetFoam 2003	Conference	23.06.03 - 25.06.03
SF4	FSI 2003 - Forschung mit Nuklearen Sonden und Ionenstrahlen	Workshop	30.09.03 - 01.10.03
SF4	ISIAC XVIII	Conference	30.07.03 - 01.08.03
SF4	Tracks 03 - Sommerschule	International Summerschool	08.09.03 - 15.09.03
SF5	Symposium on Ca^{2+} dynamics	Conference	31.08.03 - 03.09.03
SF6	Gemeinsame Herbsttagung, Metalloproteine und Metalloidproteine	Conference	06.11.03 - 08.11.03
SF7	DETNI ASIC Workshop Gebauer, B.	Workshop	07.11.03
SE2	FVS Jahrestagung	Annual Meeting	25.09.03 - 26.09.03
SE2	Hochspannungs-Workshop "Wide gap chalcopyrite solar cells"	Workshop	01.10.03 - 02.10.03
SE2	Photovoltaik: Materialforschung in Deutschland (PV-Uni-Net und FVS)	Workshop	11.12.03 - 12.12.03
DS	Studiengruppe für Elektronische Instrumentierung, Herbsttagung 2003 Dr. Friedrich Wulf	Conference	22.09.03 - 24.09.03

Contributions to Exhibitions / Fairs / Events

Dep.	Title	Type	Date
SF3	Industrietag	PR-Event, HMI	05.06.03
SF4	MTA-Kongress 2003	Guided Tour for Guests	19.03.03 - 21.03.03
SE1	Tage der Forschung	Guided Tour for Guests	12.09.03
SE1	Preisverleihung des BundesUmwelt Wettbewerbs 2002/03 Festvortrag Dr. K. Lips	Presentation: Photovoltaik - Energie der Zukunft	02.10.03
SE1	Tag der Wirtschaft & Wissenschaft WISTA - Adlershof	Presentation K. Lips: Photovoltaik-Energie der Zukunft	01.10.03
SE1	Besuch einer indonesischen Wissenschaftler-Delegation	Guided Tour for Guests	23.09.03
SE1	Auftaktveranstaltung der 39. Runde "Jugend forscht 2004"	Presentation K. Lips: Photovoltaik-Strom aus Sonnenlicht	30.09.03
SE1	Besuch des Physik LKs des John-Lennon-Gymnasium Treptow	Guided Tour for Guests	14.05.03
SE2	Treffen der Vereinigung Schweizer Wissenschaftler in Berlin	Reception	15.07.03
SE3	Solar Energy Berlin	Fair	08.05.03 - 10.05.03
DN	NT-PC-Arbeitskreis der HGF	HGF Workshop	09.10.03 - 10.10.03
all	Girl's Day 2003	PR-Event, HMI	08.05.03
all	Lange Nacht der Wissenschaften	PR-Event, HMI	14.06.03

Guests

Dep./Project	Name	Home Institution	Time of Stay
BENSC.User	Karpikhin, I.	Russian Federation State Scientific Center	25.11.03 - 22.12.03
BENSC.User	Pavlov, V.S.	Russian Federation State Scientific Center	25.11.03 - 22.12.03
BENSC.User	Raitmans, E.	Latvian Academy of Sciences	15.12.03 - 22.12.03
BENSC.User	Wagner, V.	Physikalisch Technische Bundesanstalt	15.12.03 - 22.12.03
SF1.Dynamics	Kouzmine, A.	FUBerlin	05.01.03 - 31.12.04
SF1	Arzoumanov, S.	Kurchatov Institute	30.06.03 - 30.07.03
SF1	Balireddi, S.	Devi Ahilya University	01.12.02 - 28.02.03
SF1	Glavatsky, I.	Institute for Metal Physics	24.02.02 - 30.09.03
SF1	Hicks, T.J.	School of Phy. & Eng., Monaste Univ.	02.10.03 - 30.11.03
BENSC.User	Chatterji, T.	Institut Laue-Langevin	04.06.03 - 13.06.03
BENSC.User	Triolo, A.	Consiglio Nazionale delle Ricerche	15.12.03 - 22.12.03
SF2.Bulk magnetism	Meschke, M.	Institut Laue Langevin	24.12.03 - 30.06.04
SF2	Mikeska, H.	Uni Hannover, Inst. für Theor. Physik	08.09.03 - 19.09.03
SF2	Mitchell, J.	Argonne National Laboratory	26.05.03 - 06.06.03
SF3	Sahoo, K.L.	National Metallurgical Laboratory	01.06.03 - 31.05.04
SF4.Dynamics	Meurer Papaléo, R.	PUCRS	27.01.03 - 05.02.03
SF4.Dynamics	Novakovic, N.	"Inst. Nuclear Science ""VINCA"""	03.09.03 - 26.09.03
SF4.Dynamics	Novakovic, N.	"Inst. Nuclear Science ""VINCA"""	26.10.03 - 05.11.03
SF4.Dynamics	Schattat, B.	Uni Stuttgart	08.12.03 - 31.12.04
SF4.Dynamics	Sobocinski, P.		24.11.03 - 01.05.05
SF4.Dynamics	Walz, B.		10.11.03 - 30.05.05
SF4.Dynamics	Zrineh, A.	University of Rabat	15.07.03 - 15.09.03
SF4.Structures	Imielski, P.	FU Berlin	15.09.03 - 30.09.06
SF4.Structures	Prandolini, M.	FU Berlin	01.01.03 - 31.12.03
ISL.User	Sarkar, M.	Saha Institute of Nuclear Physics	27.10.03 - 24.12.03
SF5.Soft Matter	Chattopadhyay, A.	MPI für Physik komplexer Systeme	01.11.03 - 31.10.04
SF5.Soft Matter	Holm, C.	MPI Mainz	06.02.03 - 08.02.03
SF5.Soft Matter	Ramaswamy, S.	Indian Institute of Science	21.05.03 - 03.06.03
SF5.Soft Matter	Sarlah, A.	University of Ljubljana	03.02.03 - 30.04.03
SF5.Soft Matter	Sarlah, A.	University of Ljubljana	01.05.03 - 30.06.03
SF5.Biosystems	Bausch, A.	TU München	16.02.03 - 18.02.03
SF5.Biosystems	Curtis, J.	Uni Heidelberg	01.06.03 - 02.02.03
SF5.Biosystems	Gholami, A.	Raman Research Institute (RRI)	26.01.03 - 31.03.03
SF5.Biosystems	Guck, J.	Uni Leipzig	22.05.03 - 23.05.03
SF5.Biosystems	Liverpool, T.	Uni Leeds	01.05.03 - 31.07.03
SF5.Biosystems	Metzler, R.	Nordita	28.06.03 - 01.07.03
SF5.Biosystems	Rao, M.	Raman Research Institute (RRI)	11.06.03 - 11.08.03

Dep./Project	Name	Home Institution	Time of Stay
SF5.Biosystems	Santen, L.	Universität des Saarlandes	26.08.03 - 28.08.03
SF5.Biosystems	Wilhelm, J.	TU München	17.02.03 - 24.02.03
SF6.Analysis	Wolf, C.	IFRN	02.01.03 - 07.01.03
SF6.Proteins	Felix, K.	National Cancer Institute	21.03.03 - 27.03.03
SF6.Proteins	Friesen, N.	Heinrich-Heine-Universität	01.07.03 - 09.07.03
SF6.Clinical app.	Plotnikov, A.	TU Dresden	20.06.03 - 28.06.03
SF7.Detector	Alimov, S.	Kharov State University, Depart.of Physics/Technol	20.06.03 - 19.12.03
SF7.Detector	Levchanoskaya, M.	International University Dubna	20.07.03 - 12.09.03
SF7.Detector	Levtchanovskii, F.	Joint Institute for Nuclear Research	12.05.03 - 31.12.03
SF7.ERDA	Efimov, G.	JINR, Flerov Laboratory of Nuclear Reactions	12.10.03 - 04.04.04
SF7.ERDA	Grützmann, M.		05.08.03 - 05.10.03
SF7.ERDA	Kalpakchieva, R.	Flerov Laboratory of Nuclear Reactions, JINR	04.09.03 - 20.09.03
SF7.ERDA	Massey, T.N.	J.E. Edward Laboratories, Ohio University	01.09.03 - 20.09.03
SF7.ERDA	Mc Ewan, P.	University of Birmingham, School of Physics ...	06.10.03 - 31.07.04
SF7.ERDA	Milin, M.	Rudjer Boskovich Institute	25.08.03 - 07.11.03
SF7.ERDA	Ohkubo, S.	Dept. of Applied Science Kochi Womens University	01.08.03 - 14.08.03
SF7.ERDA	Torabi, R.	Diplomand	03.10.03 - 31.12.03
SF7.ERDA	Wheldon, C.	Gesellschaft für Schwerionenforschung	25.11.03 - 31.12.03
SF7.Others	De Angelis, G.	Laboratori Nazionale di Legnaro (Padua)	01.07.03 - 30.04.04
SF7.ERDA	Khoa, D.T.	Institute for Science & Technique	01.07.03 - 30.09.03
SF7	Alimov, S.	Kharkov National University	20.06.03 - 29.02.04
SF7	Kamanin, D.	Flerov Laboratory for Nuclear Reactions	29.03.03 - 19.04.03
SF7	Kamanin, D.	Flerov Laboratory for Nuclear Reactions	12.10.03 - 31.10.03
SF7	Kokalova, T.	University of Sofia	01.04.03 - 30.04.04
SF7	Litvinenko, E.	JINR	16.06.03 - 30.06.03
SF7	Litvinenko, E.	JINR Dubna	24.11.03 - 05.12.03
SF7	Nikiforov, A.	JINR	16.06.03 - 30.06.03
SF7	Zherebchevsky, V.	St. Petersburg University	01.12.03 - 20.12.03
SE1.Cells	Ehara, T.	Ishinomaki Senshu University	01.09.03 - 31.08.04
SE1.Cells	Rückert, E.	TU Wien	01.04.03 - 10.10.03
SE1.Cells	Saleh, R.	FMIPA Universitas Indonesia	02.09.03 - 15.10.03
SE1.Cells	Terukov, J.	A.F.Ioffe Physico-Technical Institute	03.06.03 - 27.08.03
SE1.Hetero	Güell, G.A.	Universitat de Barcelona	01.09.03 - 30.12.03
SE1.Hetero	Merson, A.	Tel-Aviv University	01.07.03 - 30.09.03
SE2.Semico	Arushanov, E.	Institute of Applied Physics	03.02.03 - 30.04.03
SE2.Semico	Doka, S.	Kamerun	01.10.03 - 30.09.04
SE2.Semico	Grigorieva, N.	FU-Stipendiatin, Universität St. Petersburg	06.10.03 - 29.02.04
SE2.Contacts	Zajogin, A.	Belarussian State University	01.07.03 - 08.07.04
SE2.Chemistry	Allsop, N.	University of Oxford	02.09.03 - 30.11.03
SE2.Chemistry	Allsop, N.	University of Oxford	01.12.03 - 31.12.03

Dep./Project	Name	Home Institution	Time of Stay
SE2.Chemistry	Knittelmayor, C.	Christian-Albrecht-Universität Kiel	22.09.03 - 02.10.03
SE2.Chemistry	Sartale, S.	Shivaji University, Dept. of Physics	01.07.03 - 30.06.04
SE2.Concepts	Berzilov, A.	Kyiv National Taras Shevchenko University	18.11.03 - 26.11.03
SE2.Concepts	Bisquert, J.	Universidad Jaume I	12.02.03 - 16.02.03
SE2.Concepts	Carl, P.	University of Pennsylvania, USA	15.04.03 - 30.09.03
SE2.Concepts	Galas, O.	Ukrainische Akademie der Wissenschaften, Institute of Physics	25.03.03 - 17.04.03
SE2.Concepts	Gavrilov, S.	Moscow Institute of Electronic Technology	16.10.03 - 26.10.03
SE2.Concepts	Guminskaya, T.	./.	03.06.03 - 30.08.06
SE2.Concepts	Kytin, V.	Moscow Lomonosov State University	15.01.03 - 31.03.03
SE2.Concepts	Mahrov, B.	Uppsala University, Dept. Phys. Chemistry	28.08.03 - 29.08.03
SE2.Concepts	Milovanov, Y.	Kyiv National Taras Shevchenko University	01.04.03 - 31.05.03
SE2.Concepts	Musembi, R.J.	Nairobi University	28.10.03 - 31.07.04
SE2.Concepts	Nosova, L.	Academy of Science of Uzbekistan	15.01.03 - 30.04.04
SE2.Concepts	Ogacho, A.	Nairobi University	28.10.03 - 31.07.04
SE2.Concepts	Skoyshevskyy, V.	Kyiv National Taras Shevchenko University	18.11.03 - 26.11.03
SE2.Concepts	Volodymyr, G.	Ukrainische Akademie der Wissenschaften, Institute of Physics	25.03.03 - 17.04.03
SE2.Analytics	Douheret, O.	Royal Institute of Technology/KTH Schweden	15.06.03 - 14.09.03
SE2.Analytics	Gavrilov, S.	Moscow Institute of Electronic Technology	30.06.03 - 04.07.03
SE2.Analytics	Schwarzmann, A.	Tel Aviv University, Faculty of Electrical Engineering	13.11.03 - 30.11.03
SE2.Others	Böttger-Voll, J.	Freie Universität Berlin	01.11.03 - 31.07.05
SE2.Others	Döring, R.	Freie Universität Berlin	- 21.07.05
SE2.Others	Hauschild, J.	Freie Universität Berlin	22.09.03 - 31.07.05
SE2.Others	Scheloske, M.	Freie Universität Berlin	15.09.03 - 31.07.05
SE3.Baseline	Barcones, B.	Universität Barcelona	01.08.03 - 31.10.03
SE3.Baseline	Eisele, W.	Sulfurcell	27.07.03 - 27.07.04
SE3.Baseline	Gartsman, K.	Weizmann Institute	02.06.03 - 16.06.03
SE3.Baseline	Hinze, J.	Sulfurcell	01.02.03 - 01.02.06
SE3.Baseline	Luck, I.	Sulfurcell	01.04.03 - 31.12.05
SE3.Baseline	Meyer, N.	Sulfurcell	26.02.03 - 28.02.04
SE3.Baseline	Pietzker, C.	Sulfurcell	27.02.03 - 28.02.04
SE3.Baseline	Rühle, U.	Sulfurcell	01.08.03 - 31.01.04
SE3	Djordjevic, J.	University of Belgrade	03.03.02 - 02.03.03
SE4	Alam, M.S.	University of Pune	01.07.03 - 30.09.03
SE4	Kandulski, W.	Poznan University of Technology	01.12.02 - 31.03.03
SE4	Karolczak, S.	Institute of Applied Radiation Chemistry	01.02.03 - 09.03.03

Dep./Project	Name	Home Institution	Time of Stay
SE4	Karolczak, S.	T.U. Lodz, Inst. Of Applied RadiationChemistry	18.09.03 - 31.10.03
SE5.Energetics	Abd El-Halim, M.	Ain Shams University	04.07.03 - 26.09.03
SE5.Energetics	Ambrozejczyk, K.	TU Kielce (Polen)	10.03.03 - 30.09.03
SE5.Energetics	Barkschat, A.	FU Berlin	01.01.03 - 31.12.03
SE5.Energetics	Cestarolli, D.T.	University of Sao Paulo	30.04.03 - 27.07.03
SE5.Energetics	Leem, H.	TU Berlin	23.04.03 - 31.10.03
SE5.Energetics	Linquist, S.	University of Uppsala, Dept. of Phys. Chemistry	20.05.03 - 22.05.03
SE5.Energetics	Maruthamuthu, P.	Dept. of Energy, Guindy Campus, Univ. of Chennai	01.05.03 - 30.06.03
SE5.Energetics	Oertel, J.	FU Berlin	01.01.03 - 31.12.03
SE5.Energetics	Ossamah, A.		08.01.03 - 17.08.03
SE5.Energetics	Schmidt, G.		01.01.03 - 31.12.03
SE5.Energetics	Sirimanne, P.		01.01.03 - 31.07.03
SE5.Energetics	Sirimanne, P.	Nagoya Institute of Technology	10.06.02 - 31.07.03
SE5.Interfaces	Aggour, M.	Université Ibn Tofail	11.08.03 - 11.11.03
SE5.Interfaces	Berenguier, B.	Ecole Nationale Supérieure de Physique, Marseille	18.08.03 - 05.09.03
SE5.Interfaces	Cox, P.	University of Portsmouth	23.01.03 - 28.01.03
SE5.Interfaces	Song, W.	Hokkaido University	02.07.03 - 05.07.03

Co-operations

U?: Classification of partners

- U** University
- R** Research Institution outside university
- K** KMU
- I** Industry

C?: Contract

- + contract
- no contract

Dep.Project	U?	C?	Partner	Topic
SF1.BENSC	R U	+	MPI für Festkörperphysik Stuttgart, Germany TU Darmstadt, Germany	Höchstauflösende NRSE-Spektroskopie
SF1.BENSC	U	+	TU Darmstadt, Institut für Festkörperphysik, Germany	Inleastiche Neutronenstreuung
SF1.BENSC	R	-	Paul-Scherrer-Institut (PSI), Switzerland	Neutronentomographie
SF1.BENSC	R	-	Atominstytut Wien (ATI), Austria	Perfekt Kristall Neutronen-Optik und Tomographie
SF1.BENSC	U	+	Technische Fachhochschule Berlin (TFH), Germany	Tomographie
SF1.BENSC	U	-	Universität Szeged, Lehrstuhl für Bildverarbeitung und Computergraphik, Hungary	Tomographische Rekonstruktion - Discrete Tomograph
SF1.BENSC	I	-	Biotronic, Germany	Tomographische Untersuchungen an Herzschrittmachern
SF1.Dynamics	U R	-	University of Leeds, Department of Physics and Astronomy, United Kingdom Rutherford Appleton Laboratory (RAL), The ISIS Facility, United Kingdom	Dynamics of complex magnetic systems
SF1.Dynamics		-		Dynamics of glassy systems - glass transition
SF1.Methods	R	-	ISIS Facility, Rutherford Appleton Laboratory (RAL), United Kingdom	Benchmarking of Fermi choppers
SF1.Methods	R	+	Institut Laue-Langevin (ILL), France	Development of a zero-field spin-echo option ZETA for the triple-axis-spectrometer IN3 at ILL
SF1.Methods	I	-	SKF Industrial Division, Germany	Konstruktion von Magnetlagern für Chopper
SF1.Methods	R	+	KFKI Atomic Energy Research Institute AEKI, Hungary	Neutron and Gamma Radiography
SF1.Methods		+		Neutron scattering research
SF1.Methods	I	+	Neutron Optics Berlin GmbH (NOB), Germany	Neutronenoptische Bauelemente
SF1.Methods	R	+	Institut Laue-Langevin, France	Operation and development of the Neutron Spin Echo Spectrometer IN15

Dep.Project	U?	C?	Partner	Topic
SF1.Methods	R	+	Russian Research Centre - Kurchatov Institute (RRCKI), Russia	Wechselwirkung von ultrakalten Neutronen mit Oberflächen
SF1.Spallation	R R R	-	Forschungszentrum Jülich (FZJ), Institut für Festkörperphysik (IFF), Germany Forschungszentrum Jülich, Germany Spallation Neutron Source (SNS), United States	NSE spectrometer for the next generation spallation source SNS
SF1.Spallation	R	+	Atomic Energy Research Institute AEKI, Hungary	TOF Monochromator for Neutrons
SF2.BENSC	R R U R	+	Institut Laue-Langevin, France FZ Jülich, Institut für Festkörperforschung, Germany Universität Mainz, Germany Rutherford Appleton Laboratory, ISIS, United Kingdom	European Neutron Polarisation Initiative (ENPI)
SF2.BENSC	U	+	Universität Mainz, Germany	Wissenschaftliche und technische Zusammenarbeit zur Weiterentwicklung und Anwendung von ³ He-Polarisationseinrichtungen
SF2.Bulk magnetism	R	-	Université Louis Pasteur Strasbourg, Groupe des Matériaux Inorganiques, France	Bestimmung der Kristall- und magnetischen Struktur von Co-hydroxid-terephthalat
SF2.Bulk magnetism	U	-	Department of electronic structures, Charles University, Czech Republic	Complex f-electron systems under extreme conditions
SF2.Bulk magnetism	U	+	Slovakian Academy of Science, Institute of Exp. Physics, Slovakia	DAAD projektbezogener Austausch von Wissenschaftlern:
SF2.Bulk magnetism	U U R R U R	+	Royal Holloway and Bedford New College, Univ. of London, United Kingdom Univ. of Liverpool, Dept. of Physics, United Kingdom Centre de Recherches sur les Très Basses Températures CRTBT-UPR 5001, France Centre d'Etudes des Saclay, France Univ. of Florida, Dept. of Physics, United States Walther-Meißner-Institut für Tieftemperaturforschung, Germany	EU-RTN Netzwerk: ³ He Neutron Study
SF2.Bulk magnetism	U	-	Okayama University, Department of Physics, Japan	Hochfeldmagnetisierung von Mangan-tricyanomethanid

Dep.Project	U?	C?	Partner	Topic
SF2.Bulk magnetism	U	-	Eastern Washington University, Department of Chemistry and Biochemistry, United States	Neutronenstreuung an molekularen magnetischen Materialien
SF2.Bulk magnetism	U	-	Van der Waals-Zeeman Inst., University of Amsterdam, Netherlands	New phenomena in compounds with transition metals
SF2.Bulk magnetism	U	-	Technische Universität Braunschweig, Inst. für Metallphysik u. Nukleare Festkör, Germany	Untersuchungen zum Wechselspiel von kristallographischer Unordnung und Magnetismus mit Neutronenstreuung
SF2.Thin films	U U	-	Universität Uppsala, Department of Physics, Sweden Lund University, MAX-lab, Sweden	Magnetic Thin Films
SF2.Thin films	R	-	Max-Planck-Institut für Metallforschung Stuttgart, Germany	Magnetische Reflektometrie mit Synchrotronstrahlung
SF2.Thin films	U U	-	Universität Rostock, Fachbereich Physik, Germany Universität Düsseldorf, Institut für angewandte Physik, Germany	Nanoparticles
SF3.BENSC	R R	+	Paul-Scherer-Institut, Switzerland Nuclear Energy Corporation of South Africa, South Afrika	IAEA's Co-ordinated Research Project in "Development of improved sources and imaging systems for neutron radiography"
SF3.BENSC	U	-	Technische Fachhochschule Berlin, Germany	Neutronentomographie
SF3.Light weight mat.	I	-	Hydro Aluminium Deutschland GmbH, Germany	Charakterisierung eines aushärtbaren Al-Blechwerkstoffes
SF3.Light weight mat.	U	+	Zentrum für Angewandte Raumfahrttechnik und Mikrogravitation (ZARM), Germany	Development of Advanced Foams in Microgravity
SF3.Light weight mat.	R	+	Fraunhofer-Institut für Angewandte Materialforschung (IFAM), Germany	Untersuchung der Schaumbildung von Metallen
SF3.Microstructure	U	-	Kyushu University -Dep. of Applied Quantum Physics and Nuclear Engineering, Japan	Anti-phase Boundary Evolution in Intermetallic Phases - Antiphasengrenzen in Legierungen
SF3.Microstructure	R	-	CEA-Grenoble, France	Diffusion in and Viscosity of the melts of metallic glass alloys

Dep.Project	U?	C?	Partner	Topic
SF3.Microstructure	U	+	TU Berlin -Institut für Metallische Werkstoffe-, Germany	Diffusion in mehrkomponentigen Metallschmelzen
SF3.Microstructure	U	-	Physik Department der TU München, Germany	Diffusion in mehrkomponentigen Metallschmelzen
SF3.Microstructure	I	+	EDF R&D, France	European ITEM Network
SF3.Microstructure	R	-	Kharkov Institute of Physics and Technology, Ukraine	Heterogeneous Structures in Alloys - Heterogene Strukturen in Legierungen
SF3.Microstructure	U	+	TU Braunschweig, Germany	Optimierung des Hochtemperaturwerkstoffes INCONEL 706
SF3.Microstructure	R	-	National Metallurgical Laboratory, India	Production and Characterization of Al-Based Metallic Glasses
SF3.Microstructure	U	-	Institut de Physique de la Matière Complexe, Faculté des Science de Base, EPFL, Switzerland	Stability of Ordered Intermetallic Phases - Stabilität von Ferngeordneten Phasen
SF3.Microstructure	R	-	Institut für Festkörper- und Werkstoffsorschung, Germany	Struktur langzeitrelaxierter metallischer Massivgläser
SF3.Microstructure	U	+	Humboldt Universität Berlin -Institut für Physik-, Germany	Strukturelle und chemische Gradienten in kriechverformten Superlegierungen
SF3.Nanostructures	R	+	IAEA Wien, Austria	Development and practical utilization of SANS
SF3.Nanostructures	R	+	NECSA, South Afrika	Development and test of position sensitiv detectors for SANS
SF3.Nanostructures	R	-	Paul-Scherer-Institut, Switzerland	Entwicklung von Datenreduktions- und SANS-Auswertesoftware
SF3.Nanostructures	I	-	Berlin Heart GmbH, Germany	Herstellung und Charakterisierung von Ferrofluiden
SF3.Nanostructures	U	-	TU des Saarlandes/Forschungszentrum Karlsruhe, Germany	Magnetische Austauschkopplung in ferromagnetischen Nanomaterialien
SF3.Nanostructures	U	-	Technisches Institut für Hochtechnologie, Universität Jena, Germany	Magnetische Strukturbildung in Ferrofluiden
SF3.Nanostructures	R	-	FZK Karlsruhe, Germany	Magnetisierungsfluktuationen in Hartmagneten
SF3.Nanostructures	R	+	Korean Atomic Energy Research Institute (KAERI), Korea	Materials research using SANS
SF3.Nanostructures	R	+	Techn. Institut für Festkörper und Werkstoffsorschung Dresden, Germany	Modellierung von Entmischungsvorgängen aus Streudaten, Mikrostrukturentwicklung in amorphnanokristallinen Systemen

Dep.Project	U?	C?	Partner	Topic
SF3.Nanostructures	U	-	Technical Academy of Science of the Czech Republic, Czech Republic	Modellierung von Kleinwinkel-Streudaten aus Einkristall-Superlegierungen
SF3.Nanostructures	U	+	Techn. RWTH Aachen -Lehr- und Forschungsgebiet Mechanische Verfahrenstechnik-, Germany	NKWS Untersuchungen an teilerstarten Legierungen im Scherfeld
SF3.Nanostructures	U	+	Technische Universität Darmstadt -FB Materialwissenschaften-, Germany	Neutronen-Kleinwinkelstreuung an nanoskaligen Keramiken
SF3.Nanostructures	R	+	DFG - Spp 1104, Germany	Neutronenkleinwinkelstreuung zur Untersuchung von Kern und Hülle in Ferrofluiden
SF3.Nanostructures	R	-	FZJ Jülich, Germany	SANS Instrumentierung für ESS
SF3.Nanostructures	U U	-	Technische Universität Braunschweig, Germany Technische Universität Darmstadt, Germany	SANS investigation of precipitate microstructure in Ni-base superalloys at elevated temperatures
SF3.Nanostructures	R	-	PTB Berlin (Behörde), Germany	SANS und Magnetorelaxation in Ferrofluiden
SF3.Nanostructures	U	-	ZARM Universität Bremen, Germany	SANS und magnetorheologische Untersuchungen in Ferrofluiden
SF3.Nanostructures	R R	-	MPI Bremen, Germany MDC Berlin, Germany	Strukturuntersuchungen in Magnetosomen
SF3.Nanostructures	R	-	MPI Golm, Germany	Strukturuntersuchungen in polymerverkapselten Magnetflüssigkeiten
SF3.Others	K	+	Applied Light-Weight Metals, Germany	Entwicklung der AFS-Technologie
ISL.Accelerator	U	+	Technische Universität Wien, Austria	ECR-Quelle SOPHIE (TUW)
ISL.PPT	I	-	ACCEL Instruments, Germany	ACCEL Instruments
ISL.PPT	R	-	Charité - Campus Benjamin Franklin, Inst. Medizinische Informatik, Germany	Charité - Medizinische Informatik
ISL.PPT	R	-	Charité - Campus Benjamin Franklin, Medizinische Klinik III, Germany	Charité - Medizinische Klinik III
ISL.PPT	R	-	Charité - Campus Mitte, Strahlentherapie, Germany	Charité - Strahlentherapie
ISL.PPT	R	-	Deutsches Krebsforschungszentrum, Germany	DKFZ/HMI
ISL.PPT	U	-	Fachhochschule Giessen-Friedberg, Germany	Fachhochschule Giessen-Friedberg
ISL.User	R	+	Charité - Campus Benjamin Franklin, Augenklinik, Germany	Charité Augenklinik

Dep.Project	U?	C?	Partner	Topic
ISL.User	R	+	Universitätsklinikum Essen, Germany	UKE-HMI
SF4.BESSY	U	-	HU Berlin, Germany	DFG HU
SF4.Dynamics	I	+	Commission of the European Communities, Belgium	European Infrastructure Cooperation Network LEIF
SF4.Dynamics	U	+	Institut für Strahlenphysik der Universität Stuttgart, Germany	HMI/Uni Stuttgart
SF4.Dynamics	R	+	ATOMKI, Hungary	Hungarian-German Collaboration
SF4.Dynamics	U	+	Instituto de Física - UFRGS, Brazil	PROBRAL / DAAD
SF4.Structures	R	-	CERN, Switzerland	CERN/HMI
SF5.Biosystems	U	-	TU München, Physik-Department T 34, Germany	Actin cytoskeleton and molecular motors
SF5.Biosystems	U	-	TU München, E22, Germany	Actin cytoskeleton and molecular motors
SF5.Biosystems	R R	-	FZ Jülich, Germany FZ Jülich, Germany	Biopolymers
SF5.Biosystems	U	-	Universität Stuttgart, II. Institut für Theoretische Physik, Germany	Collective phenomena in internally driven systems
SF5.Biosystems	R	-	Raman Research Institute, Theoretical Physics, India	DNA Hyperstructure
SF5.Biosystems	U	-	Department of Physiology, University of Texas Health Science Center at San Anton, United States	Effect of SERCA overexpression on calcium wave propagation
SF5.Biosystems	R	-	International School for Advanced Studies, S.I.S.S.A., Italy	Elastic properties of proteins
SF5.Biosystems	U	-	Vrije Universiteit Amsterdam, Faculty of Sciences, Division of Physics and Astro, Netherlands	Experimental and theoretical description of motor proteins
SF5.Biosystems	R R	-	MPI Unit Structural Molecular Biology, Germany MPI Unit Structural Molecular Biology, Germany	Kinesin and microtubules
SF5.Biosystems	U	-	TU München, Physik-Department T 34, Germany	Molecular Motors
SF5.Biosystems	R	-	Jozef Stefan Institute, Slovenia	Molecular motors
SF5.Biosystems	U	-	Université de Montpellier II-Laboratoire de Physique Mathématique, France	Molekulare Motoren
SF5.Biosystems	U	-	UMR 168 CNRS, Institut Curie, Physico-Chimie, France	Molekulare Motoren
SF5.Biosystems	R	-	Institut Curie, Section de Recherche, France	Molekulare Motoren
SF5.Biosystems	R	-	ESPCI, France	Molekulare Motoren
SF5.Biosystems	R	-	Max Planck Institut für Physik komplexer Systeme, Germany	Molekulare Motoren

Dep.Project	U?	C?	Partner	Topic
SF5.Biosystems	U	-	TU München, E22, Germany	Motor-cytoskeletal filaments interaction
SF5.Biosystems	R	-	Physico-Chimie Curie, UMR 168 CNRS, Institut Curie, France	Theoretical description of motor proteins
SF5.Hard Matter	U	-	Freie Universität Berlin, Germany	Comparison of Quantum Note Carlo, Green's function and Schwinger Boson approaches
SF5.Hard Matter	U	-	KTH, SCFAB, Cond. Matter Theory, Sweden	Comparison of Quantum Note Carlo, Green's function and Schwinger Boson approaches
SF5.Hard Matter	U	-	Lab. de Physique Quantique, Université Paul Sabatier, France	Comparison of Quantum Note Carlo, Green's function and Schwinger Boson approaches
SF5.Hard Matter	R	-	GSI Darmstadt, Germany	Electron capture in relativistic ion-atom-collision
SF5.Hard Matter	U	-	Department of Physics, St. Petersburg State University, Russia	Electron capture in relativistic ion-atom-collision
SF5.Hard Matter	R	-	Japan Atomic Energy Research Institute, Dept. of Reactor Engineering, Japan	Polarization of photons emitted in radiative electron capture by bare high-Z ion
SF5.Hard Matter	R	-	Fritz-Haber Institut der Max-Planck-Gesellschaft, Germany	Quantum dots
SF5.Hard Matter	R	-	Institute of Modern Physics, Chinese Academ of Science, P.R. of China	Radiative electron capture and the photoelectric effect in hydrogen-like high-Z systems
SF5.Hard Matter	R	-	GSI Darmstadt, Germany	Radiative electron capture and the photoelectric effect in hydrogen-like high-Z systems
SF5.Hard Matter	U	-	TU Berlin, Institut für Festkörperphysik, Germany	Stresses in overgrowth
SF5.Hard Matter	U	-	Otto-von-Guericke-Universität, Institut für experimentelle Physik, Germany	Stresses in overgrowth of GaN
SF5.Hard Matter	R	-	HMI, SF4, Germany	Superalloy
SF5.Hard Matter	R	-	HMI, SF4, Germany	Texture evolution in thinfilm growth
SF5.Hard Matter	U	-	Université de Meknes, Morocco	Thin ferromagnetic films
SF5.Soft Matter	U	-	Harvard University, Division of Engineering and Applied Sciences, Physics, United States	Actin cytoskeleton
SF5.Soft Matter	R	-	Indian Institute of Science, Department of Phyiscs, India	Active systems
SF5.Soft Matter	U	-	Dept. Physics, Bethlehem University, Israel	Cluster fragmentation

Dep.Project	U?	C?	Partner	Topic
SF5.Soft Matter	U	-	University of Edinburgh, Department of Physics&Astronomy, United Kingdom	Colloidal gelation
SF5.Soft Matter	U	-	Universität Stuttgart, II. Institut für Theoretische Physik, Germany	Colloidal suspensions
SF5.Soft Matter	U	-	Universität Konstanz, Fachbereich Physik, Germany	Dynamic light scattering
SF5.Soft Matter	R	-	Institut Curie, Physicochemie UMR 168, France	Fluctuations of semiflexible polymers
SF5.Soft Matter	U	-	Physique des Milieux Condensés, UPMC Paris VI, France	Light scattering
SF5.Soft Matter	U	-	INFM, Università degli Studi di Firenze, Italy	Light scattering
SF5.Soft Matter	U	-	Vrije Universiteit Amsterdam, Faculty of Sciences, Division of Physics and Astro, Netherlands	Molekulare Motoren
SF5.Soft Matter	U	-	TU München, E22, Germany	Molekulare Motoren
SF5.Soft Matter	R	-	Max Planck Institut für Physik komplexer Systeme, France	Molekulare Motoren
SF5.Soft Matter	U	-	Virginia Polytechnic Institute and State University, Physics Department, United States	Non-equilibrium physics
SF5.Soft Matter	U U	-	Universität Marburg, Fachbereich Physik, Germany Universität Marburg, Fachbereich Physik, Germany	Semiflexible polymers
SF5.Soft Matter	U	-	Rockefeller University, United States	Statistical mechanics
SF5.Soft Matter	U	-	Prof. L. Schimansky-Geyer, HU Berlin, Germany	Stochastische Modellierung in aktiven Medien
SF5.Soft Matter	U	-	Syracuse University, Physics Department, United States	Vortex matter
SF6.Analysis	U	-	TU Berlin, Institut für Atomare Physik und Fachdidaktik, Germany	3D Micro-XRF
SF6.Analysis	R	+	BAM, Germany	Trace Element Analysis by X-Ray Fluorescence (BESSY) and Neutron Activation Analysis (BER II)
SF6.Clinical app.	U	-	Universitätsklinikum Charité, Germany	Metalloprotein mapping with micro-SRXRF in combination with SRFTIR spectromicroscopy
SF6.Clinical app.	U	-	Institut für Tierernährung der Freien Universität Berlin, Germany	Relationships between selenium and fatty acid metabolism
SF6.Clinical app.	R	-	National Cancer Institute, United States	Selenium and plasma cell tumors in mice
SF6.Clinical app.	U	-	Heinrich-Heine-Universität Düsseldorf, Germany	Selenoproteins in diabetes

Dep.Project	U?	C?	Partner	Topic
SF6.Clinical app.	U	-	Charité Berlin, Germany	Selenoproteins in the brain and in neurological diseases
SF6.Proteins	U	-	Universität Jena, Germany	Alternative splicing of selenoproteins
SF6.Proteins	R	-	Institute of Food Research Norwich Research Park, United Kingdom	Analysis of iron containing proteins in human plasma
SF6.Proteins	R	-	Max-Delbrück-Centrum, Germany	Crystallization of selenoproteins
SF6.Proteins	U	-	FU Berlin, Germany	Generation of selenoproteins and metalloproteins by means of Bioreactor
SF6.Proteins	U	-	BOKU-University of Natural Resources and Applied Life Sciences, Vienna, Austria	Interactions between selenium and zinc
SF6.Proteins	U	-	Justus-Liebig-Universität Gießen, Germany	Investigation of interrelationships between selenoproteins and noble elements
SF6.Proteins	I	-	GKSS Geesthacht, Germany	Investigation of metalloproteins in colon and colon carcinoma
SF6.Proteins	R	-	GSF München, Germany	Investigations of selenoproteins in selenoprotein knock-out mice
SF6.Proteins	K	+	Fa. BioGenes, Germany	Production of antibodies
SF6.Proteins	R	-	MPI-Berlin, Germany	Proteomics: Protein-Peptide Analysis
SF6.Proteins	U	-	Universitätskliniken des Saarlandes, Germany	Selenoproteins in male infertility
SF6.Proteins	U	-	Charité Berlin, Germany	Studies on selenium metabolism in selenoprotein P knockout mice
SF6.Proteins	R	-	Robert-Koch-Institut Berlin, Germany	The role of trace metals in the pathogenesis of transmissible spongiforme encephalopathies.
SF6.Proteins	U	-	Charité Berlin, Campus Benjamin Franklin, Germany	Tracer studies on selenoprotein and metalloprotein
SF7.ERDA	R R	+ +	IreS, Strassburg, France IreS, Strassburg, France	EUROBALL
SF7.ERDA	R U U	+ + +	Gesellschaft für Schwerionenforschung mbH (GSI), Germany , TU-Darmstadt, Fachbereich Physik, Germany , TU-Darmstadt, Fachbereich Physik, Germany	GSI
SF7.ERDA	R	+	Moscow State Engineering Physics Institute (Technical University), (IPPE), (IGNP), Russia	MEPHI

Dep.Project	U?	C?	Partner	Topic
SE1.Cells	U	-	Humboldt-Universität zu Berlin, Institut für Physik, Germany	Defektspektroskopie
SE1.Cells	U	-	Humboldt Universität zu Berlin, Fachbereich Physik, Germany	Defektspektroskopie
SE1.Cells	I	+	Spectra-Physics LAS GmbH, Germany	Elektronenmikroskop
SE1.Cells	U	-	Humboldt-Universität zu Berlin, Institut für Physik, Germany	Elektronenmikroskopie
SE1.Cells	R	-	ACA Institut für Angewandte Chemie Berlin-Adlershof e. V., Germany	Elektronenspektroskopie
SE1.Cells	I	+	Osram Opto Semiconductors GmbH, T5 Analytics, Germany	H-Analytik
SE1.Cells	R	-	Palo Alto Research Center (PARC), United States	H-Passivierung
SE1.Cells	R	+	Institut für Physikalische Hochtechnologie, Bereich Lasertechnik, Germany	Laserkristallisiertes Silizium (BMBF)
SE1.Cells	R	-	A. F. Ioffe Physikalisch-Technisches Institut, Russia	Lightemitting Si diodes (INTAS)
SE1.Cells	R U U	+	Interuniversitair Micro-Elektronica Centrum vzw (IMEC), Belgium Katholieke Universiteit Leuven, Dep. of Metallurgy and Materials Engineering, Belgium TU Wien, Institut für Angewandte und Technische Physik, Austria	METEOR (EU-Projekt)
SE1.Cells	U	+	North Carolina State University, Dep of Physics, United States	Plasmadeposition
SE1.Cells	U	+	Technische Universität Berlin, Fachgebiet Hochfrequenztechnik, Germany	SiN-Passivierung
SE1.Cells	R	+	Bundesamt für Materialforschung und -prüfung (BAM), Germany	Strukturuntersuchungen
SE1.Cells	R	+	Fraunhofer Institut, Schicht- und Oberflächentechnik, Germany	Strukturuntersuchungen
SE1.Hetero	U	-	Tel-Aviv University, Dep. of Physical Electronics, Faculty of Engineering, Israel	Electrochemical deposition
SE1.Hetero	U	+	Technische Universität Hamburg-Harburg, Arbeitsbereich Halbleitertechnologie, Germany	Elektronenstrahl kristallisiertes Si (BMBF/BMU)

Dep.Project	U?	C?	Partner	Topic
SE1.Hetero	R	-	Institut für Spektrochemie und angewandte Spektroskopie (ISAS), Germany	IR-Ellipsometrie
SE1.Hetero	I	+	Q-Cells AG, Germany	Messtechnik
SE1.Hetero	U	-	Universitat de Barcelona, Departament de Quimica Fisica, Spain	Nanopattering
SE1.Hetero	R	-	Institut für Spektrochemie und angewandte Spektroskopie, Germany	Nass-chemische Grenzflächen
SE1.Hetero	U	-	Lomonosov Moscow State University, Department of Physics, Russia	Oberflächenpräparation
SE1.Hetero	U	-	Technische Universität Chemnitz, Institut für Physik, Germany	Präparation Si-Grenzflächen
SE1.Hetero	U	-	Technische Universität Darmstadt, Germany	UHV-Spektroskopie
SE1.Hetero	R U	+	Forschungszentrum Jülich, Institut für Photovoltaik, Germany Technische Universität Darmstadt, Germany	ZnO-Fensterschichten (BMBF-Vernetzung)
SE1.Hetero	U U R R R U R I	+	Carl-von-Ossietzky-Universität Oldenburg, FB Physik, Germany Fern-Universität Hagen, Germany Forschungszentrum Jülich, IPV, Germany Fraunhofer ISE, Labor & Service Center, Germany RWTH Aachen, Institut für Halbleitertechnik, Germany Universität Stuttgart, IPE, Germany Institut für Solarenergieforschung Hameln/Emmerthal (ISFH), Germany RWE SCHOTT Solar GmbH, Unternehmensbereich Technik/Entwicklung, Germany	a-Si:H/c-Si Heterostruktur (BMBF-Vernetzung)
SE1.Others	I	-	Micro Resist Technology, Germany	Optische Spektroskopie
SE2.Analytics	U I R	+	Universität Würzburg, Experimentelle Physik II, Germany Shell Solar GmbH, Germany BESSY, Germany	CISSY
SE2.Analytics	I	+	OMICRON NanoTechnology GmbH, Germany	Entwicklung einer Steuerelektronik für die Kelvinsondenkraftmikroskopie

Dep.Project	U?	C?	Partner	Topic
SE2.Analytics	R	+	IMEC, Belgium	High resolution electrical characterization of ULSI and advanced semiconductor devices
SE2.Analytics	U U	-	Universität Stuttgart, Institut für Physikalische Elektronik, Germany Friedrich-Alexander-Universität Erlangen-Nürnberg, Germany	Nanoanalysis of chalcopyrite surfaces
SE2.Analytics	U	-	Universität Würzburg, Experimentelle Physik II, Germany	Photoelectrospectroscopy on chalcopyrite solar cells
SE2.Analytics	R	-	Institute of Crystal Growth, Germany	Work function measurements on Si/SiGe nanostructures
SE2.Analytics	U	-	Johannes Kepler University Linz, Physical Chemistry, Austria	Work function measurements on organic semiconductors
SE2.Analytics	R	+	Institut für Photovoltaik, FZ Jülich, Germany	Zinkoxidschichten für Dünnschichtsolarzellen: Material- u. Grenzflächenforschung - ZnO-Vernetzungsprojekt
SE2.Concepts	R	-	Moscow Institute of Electronic Engineering, Russia	Füllen von Nanoporen mit halbleitenden Materialien
SE2.Concepts	U	-	Kyiv Taras Shevchenko University, Radiophysics Department, Ukraine	IR-Charakterisierung von Pufferschichten auf TiO ₂ , Sensoreigenschaften von TiO ₂
SE2.Concepts	U	-	Tel-Aviv University, Dept. of Electrical Engineering, Israel	Konditionierung elektronischer Eigenschaften von Halbleiteroberflächen (insbes. TiO ₂) mit Monolagen organischer Moleküle
SE2.Concepts	U	-	Universidad Politécnica de Madrid, Instituto de Energía Solar - ETSIT, Spain	Neue Solarzellenkonzepte mit mibcell
SE2.Concepts	R	-	Institute of Physics, Ukraine	Nichtlineare optische Phänomene in porösem TiO ₂
SE2.Concepts	U	-	Universidad Jaume I, Dept. de Ciències Experimentals, Spain	Transportphänomene in halbleitenden Nanokompositen und deren Einfluss auf die Limitierung des Wirkungsgrades in eta-Solarzellen
SE2.Concepts	U	-	M. V. Lomonosov Moscow State University, Faculty of Physics, Russia	Transportphänomene in nanostrukturierten Halbleitern

Dep.Project	U?	C?	Partner	Topic
SE2.Concepts	R U U U U R	+	ECN - Energy Research Centre of the Netherlands, Netherlands TTU - Tallinn Technical University, Materjalitehnika Institut, Estonia University of Uppsala, Department of Physical Chemistry, Sweden Delft University of Technology, Laboratory of Inorganic Chemistry, Netherlands University of Gent, Dept. of Electronics and Information Systems, Belgium Weizmann Institute of Science, Dept. of Materials and Interfaces, Israel	eta-Solarzellen
SE2.Contacts	U U U U I R R R I	+	Uppsala University, Sweden Ecole Centrale Paris, France Universität Nantes, Laboratoire de Physique des Solides pour l'Electronique, France ETHZ-Swiss Federal Institute of Technology, Zürich, Switzerland Sulfurcell GmbH, Germany CIEMAT-Centro de Investigaciones Energéticas Medioambientales y Technológicas, Spain CRSA-Centrale Recherche S.A., France ZSW-Zentrum für Sonnenenergie- und Wasserstoffforschung, Bad Württemberg, Germany Würth Solar GmbH & Co. KG, Germany	Buffers for chalcopyrite solar cells (NEBULES)
SE2.Semico	U	+	Warsaw Technical University, Poland	Electrical characterization of Chalcopyrite Solar Cells
SE2.Semico	I	+	AIXTRON AG, Germany	Entwicklung einer neuen Dünnschichttechnologie für die Photovoltaik: Technische Umsetzung des CCSVT-Verfahren am Beispiel des Cu(In,Ga)Se2-Solarzellen

Dep.Project	U?	C?	Partner	Topic
SE2.Semico	U U U U R	+	University of Stuttgart, Germany University of Oldenburg, Germany University of Darmstadt, Germany University of Erlangen, Germany ISFH Hameln, Germany	Hochspannungsnetz
SE2.Semico	U U U	-	University of Port Elizabeth, United States University of Illinois, Urbana-Champaign, United States Lawrence Berkeley Lab, United States	Optical and electrical properties of chalcopyrites
SE2.Semico	U U I U U R I I I R	+	University of Hull, United Kingdom University of Ljubljana, Slowenia TEKsolair, United Kingdom Utrecht University, Netherlands Warsaw Technical University, Poland ECN - Energy Research Centre of the Netherlands, Netherlands Würth Solar GmbH & Co. KG, Germany Shell Solar, Germany ZSW-Zentrum für Sonnenenergie- u. Wasserstoffforschung, Germany CEA, France	PV roadmap for Europe

Dep.Project	U?	C?	Partner	Topic
SE3.Baseline	R U R U R I I U	+	CIEMAT - Centro De Investigaciones Energéticas Medioambientales y Technológicas, Spain Universität Nantes, Laboratoire de Physique des Solides pour l' Electronique, France CRSA - Centrale Recherche S.A., France ETHZ - Swiss Federal Institute of Technology, Zürich - Thin Film Physics Group, Switzerland ZSW - Zentrum f. Sonnenenergie - u. Wasserstoff-Forschung, Baden Württemberg, Germany Sulfurcell GmbH, Germany Würth Solar GmbH & Co. KG, Germany Uppsala University - Dept. of Materials Science, Sweden	Buffers for chalcopyrite solar cells
SE3.Baseline	I	+	Sulfurcell Solartechnik GmbH, Germany	CuInS ₂ Entwicklung
SE3.Baseline	R R	+	NATO Scientific Affairs Division, Belgium Weizmann Institute of Science, Israel	Electric field induced pn-junctions
SE3.Baseline	R	-	Institut für Solarenergieforschung GmbH Hameln/Emmerthal, Abt. Dünnschichttechnik, Germany	Hochspannungsnetz
SE3.Baseline	I	+	Q-Cells AG, Germany	Messtechnik
SE3.Baseline	U	+	BTU Panta Rhei gGmbH, Germany	Oberflächenanalyse
SE3.Baseline	I R	+	Dutch Space, Netherlands ZSW, Germany	Thin film solar cells for space
SE3.Control	I	+	Shell Solar GmbH, Germany	Entwicklung einer zerstörungsfreien Prüfmethode mittels Ramanspektroskopie
SE3.Control	U	-	University Barcelona, Spain	Raman spectroscopy for chalcopyrite materials
SE4.Cells	U	-	University of California, Los Angeles USA, United States	FTIR
SE4.Cells	R	-	Fraunhofer-Institut für Solare Energiesysteme, Germany	III-V Solarzellen
SE4.Cells	I	-	National Renewable Energy Laboratory, Golden CO. USA, United States	III-V Wachstum auf Si (100)
SE4.Cells	U	-	Uni Braunschweig, Germany	InP auf Silizium (100)
SE4.Cells	I	-	Innovative Processing AG, Germany	InP-basierte multi-junction Solarzellen

Dep.Project	U?	C?	Partner	Topic
SE4.Cells	I	-	AIXTRON AG - Aachen, Germany	MOCVD von III-V Halbleitern
SE4.Cells	I	-	MOCHEM GmbH, Germany	Precursor-Moleküle
SE4.Cells	I	-	LayTec GmbH, Berlin, Germany	RAS-Entwicklung
SE4.Cells	U	-	Institut für Halbleitertechnologie Uni Duisburg, Germany	Tertiäre und quaternäre III-V-Halbleiter
SE4.Cells	R	-	Fraunhofer-Institut für Solare Energiesysteme, Germany	Verbindungshalbleiter mit kleinem Bandabstand
SE4.Cells	R	-	Fraunhofer-Institut für Solare Energiesysteme, Germany	Zeitaufgelöste Lebensdauermessungen
SE4.Dynamics	U	-	University of Toronto, Canada, Canada	Femtosecond fast-scan detection
SE4.Dynamics	U	-	LMU München, Germany	Femtosekunden Laser Entwicklung, NOPA
SE4.Dynamics	U	-	Rutgers University, Newark, N.J. USA, United States	Molekülsynthese, "molecular spacers and anchor groups"
SE4.Dynamics	U	-	HU Berlin, Germany	Theorie zur Analyse und Steuerung ultraschneller photoinduzierter Reaktionen
SE4.Dynamics	U	-	TU Berlin, Germany	Theorie zur Dynamik von Elektronentransferprozessen an Grenzflächen, DFG Schwerpunkt 1093
SE4.Dynamics	R	-	Indian Institute of Science, Bangalore, India, India	Time-resolved absorption and Raman spectroscopy
SE4.Dynamics	U U	-	FU Berlin, Germany FU Berlin, Germany	Zwei-Photonen-Photoemission
SE4.Others	U	-	University of Pune, National Centre for Free Radical Research, India	Grundlagen der Pulsradiolyse
SE4.Others	R	-	Technical University of Lodz, Institute of Applied Radiation Chemistry, Poland	Grundlagen der Pulsradiolyse
SE4.Others	R	-	Bhabha Atomic Research Centre Radiation Chemistry & Chemical Dynamics Division, India	Grundlagen der Pulsradiolyse
SE4.Others	U	-	University of Toronto, Canada, Canada	Preparation of VO ₂ Nano wires
SE4.Others	U	-	EPFL Lausanne, Switzerland, Switzerland	Processing of CdSe Nanrods
SE4.Others	U	-	Humboldt Universität zu Berlin (HUB), Germany	Pulsradiolyse von Gläsern, Bestrahlungen zur präparativen Chemie
SE4.Others	R	-	Forschungszentrum Karlsruhe Institut für Nukleare Entsorgung, Germany	Pulsradiolytische Untersuchungen von konzentrierten Chloridlösungen

Dep.Project	U?	C?	Partner	Topic
SE4.Others	R R R	+	Bundesanstalt für Materialprüfung und-Forschung Berlin, Germany Bundesanstalt für Materialprüfung und-Forschung Berlin, Germany Bundesanstalt für Materialprüfung und-Forschung Berlin, Germany	Sterilisation durch Gamma-Bestrahlung Bestandteil der globalen kooperationsvereinbarung BAM-HMI
SE4.Others	I	-	Astrium GmbH, Engineering Solargeneratoren, Germany	Untersuchungen zur Strahlenresistenz von elektrischen Bauteilen
SE5.Energetics		-		Development of noble metal free catalysts
SE5.Energetics	R	+	HIAT (Hydrogen Institute of Applied Technologies gGmbH), Germany	Erprobung und Optimierung von RuSe-Katalysatoren in DMFCs
SE5.Energetics	R	-	Optotransmitter-Umweltschutz-Technologie e.V. Berlin, Germany	Herstellung und Charakterisierung von reaktiv gesputterten Oxidschichten
SE5.Energetics	I	-	Millennium Inorganic Chemicals SA, France	Investigations of TiO ₂ powders
SE5.Energetics	K	-	BIONIK-Systeme, Germany	Lifepacking - Bionische Verpackungen für eine nachhaltige Ma
SE5.Energetics	U	-	Ruhr-Universität Bochum, Germany	Plasma Characterization
SE5.Energetics		+		Reaktives Magnetronspattern von CuInS ₂ -Solarzellen
SE5.Energetics	U	-	TU Darmstadt, Germany	Silicon-organic pigment material hybrids for photovoltaic application
SE5.Energetics	U	-	Mendel University of Agriculture and Forestry, Inst. of Forest Ecology, Czech Republic	Solar Energy Conversion via Tensile Water in Trees
SE5.Energetics	U	+	University of Paris XIII e.a., France	Supported semiconductor nanosized catalysts for photo-chemical organic pollutant degradation
SE5.Energetics		+		Verbundprojekt Erneuerbare Energien: Zinkoxidschichten für Dünnschichtsolarzellen
SE5.Interfaces	U U	+	TU Berlin, Germany Northcarolina State University, United States	Austauschprogramm HMI-TU-North Carolina State University
SE5.Interfaces	U U	+	BTU Cottbus, Germany TU Darmstadt, Germany	CRG (Cooperating Research Group)
SE5.Interfaces	U	-	University of Portsmouth, Div. of Pharmaceutics and Microbiology, United Kingdom	DFT-Berechnungen für PES-Messungen bei BESSY II
SE5.Interfaces	U	-	Université Ibn Tofail, Faculté des Sciences, Marocco	Elektrochemie an CulnS ₂ und Si

Dep.Project	U?	C?	Partner	Topic
SE5.Interfaces	R	-	FHI-Berlin, Dept. PC, Germany	HREELS-Untersuchungen an photoelektrochemisch präparierten n-Si-Proben
SE5.Interfaces	U	-	University of Portsmouth, School of Pharmacy and Biomedical Sciences, United Kingdom	Rastersondenmikroskopie an texturierten Halbleiteroberflächen
HAD	R	+	DESY Hamburg, Germany	X-FEL Projekt
DH	I	+	Berliner Wasser Betriebe, Germany	Technologietransfer- Magnetfeldsensor

External Funding

Dep.Project	Topic	Funding Agency	Duration
BENSC.User	Access to BENSC TMR	EU	1996-2003
BENSC.User	Access to BENSC Add.	EU	1999-2004
BENSC.User	BENSC 2000 (EU)	EU	2000-2003
BENSC.User	Ausbau E1 und PU	BMBF	2001-2002
BENSC.User	Enhanced Access to BENSC - Add-On	EU	2001-2004
BENSC.User	Erlöse ZET E3	div.	
BENSC.User	Autoradiographie	NHK	
BENSC.User	Round Table	EU	2000-2003
SF1.Methods	Industrieerlöse, TT-Projekt	NOB	2000-2004
SF1.Methods	WW Ultrakalte Neutronen mit Oberflächen	BMBF	2003-2004
SF1.Methods	Dreifachkorrelation in ternärer Spaltung (T-odd correlation)	BMBF	2003-2005
SF1.Spallation	Cryst. Neutron optics	EU	1997-2001
SF1.Spallation	SCANS (EU)	EU	2000-2004
SF2.Bulk magnetism	Magn. Properties 3He	EU	2000-2004
SF2.Bulk magnetism	PPP Slowakei DAAD (Dipol-Wechselwirkung in Magneten)	DAAD	2003-2004
SF2.BENSC	RTD Projekt	EU	1998-2001
SF2.BENSC	ENPI	EU	2000-2003
SF2.BESSY	Magnetische Röntgenstreuung	BMBF	2000-2003
SF2.BESSY	Analyse v. Eigenspannungen Walter AG	Walter AG	2003-2004
SF2.BESSY	ZET BESSY Industrieerlöse	Ford	
SF3.Microstructure	Inhomogeneities (NATO)	NATO	2000-2002
SF3.Microstructure	Diffusion in Metallschmelzen	DFG	2001-2004
SF3.Microstructure	ITEM	EU	2001-2005
SF3.Microstructure	Inconel 706	DFG	2002-2005
SF3.Microstructure	chem. Gradienten	DFG	2002-2003
SF3.Light weight mat.	Met Foam 2003	DFG/div.	2003-2004
SF3.Light weight mat.	Schaumbildung bei Metallen	DFG/TU	
SF3.Light weight mat.	Porenbildung beim Schäumen	DFG/TU	
SF3.Light weight mat.	Schaumbildung bei Metallen	DFG/FhG	
SF3.Nanostructures	Neutronen - Kleinwinkelstreuung (Ferrofluide)	DFG	2000-2004
SF3.Nanostructures	Nd-Basislegierungen	DFG	2001-2004
SF3.BENSC	Superalloys	EU	1996-1999
SF3.BENSC	RESTAND	EU	1997-2001
SF4.Structures	Ionisationsmechanis.	DAAD	1998-2002
SF4.Structures	Low-Energy Ion Beam Facilities	EU	2000-2004
SF4.Structures	PPP Portugal PROBRAL	DAAD	2000-2003

Dep.Project	Topic	Funding Agency	Duration
SF4.Structures	Gitterfehlpassung in der einkristallinen Superlegierung SC 16	DFG	2003-2004
ISL.User	ATT-Erlöse	CCBF, UKE	
ISL.User	Bestrahlung f. Jena Optronik	Jena	
ISL.User	OXYPHEN Kooperation	Oxyphen	
SF5.Soft Matter	Theoretische Aspekte von Schwerionenstößen	DFG	1998-2003
SF5.Soft Matter	Mikrokanonische Statistik	DFG	2001-2003
SF5.Biosystems	Molekulare Motoren	DFG	2001-2003
SF5.Biosystems	Protein Motors	EU	2002-2004
SF5.Biosystems	Collective Phenomena	EU	2002-2004
SF6.Proteins	Neue Selenproteine (DFG)	DFG	2000-2004
SF6.Proteins	Immunoessay	BMW I	2002-2004
SF6.NAA	diverse Erlöse aus Bestrahlungen	div.	
SF7.ERDA	PANS EU	EU	2000-2003
SF7.ERDA	Fr. Kokalova / Stipendium	DAAD	2003-2003
SF7.ERDA	de Angelis / W. Bestel Preis	AvH	2003-2003
SF7.ERDA	Hr. Khoa / Humboldt Fellowship	AvH	2003-2003
SF7.ERDA	McEwan / Stipendium	DAAD	2003-2004
SF7.ERDA	Zherebchevsky / Stipendium	DAAD-Euler	2003-2003
SF7.Detector	TECHNI EU	EU	2000-2004
SE1.Cells	Strukturierung von Bauelementen	TUB	2000-2003
SE1.Cells	METEOR	EU	2002-2004
SE1.Cells	Industrieerlöse SE1	Spectra Physics LAS GmbH	
SE1.Hetero	Elektronenstrahl-rekristallisiertes Silizium	TU HH	1999-2003
SE1.Hetero	Grundlagen und Technologien von Solarzellen auf Basis von a-Si/c-Si Heterostrukturen	BMBF	2000-2003
SE1.Hetero	Zinkoxidschichten für Dünnenschichtsolarzellen: Material- und Grenzflächenforschung	BMBF	2000-2003
SE1.Others	Industrieerlöse SE1	Q Cells AG	
SE2.Semico	Entwicklung einer Dünnenschichttechnologie CCSVT-Verfahren	BMW I	2000-2003
SE2.Semico	Lizenzerlöse	Sulfurcell	2002-2005
SE2.Semico	Hr. Yamigno Doka / Stipendium	DAAD	2002-2004
SE2.Contacts	Hochspannungsnetz	BMBF	2000-2004
SE2.Contacts	NEBULES	EU	2003-2005
SE2.Integration	Gründerlabor HMI Adlershof	BMBF	2001-2001
SE2.Integration	PVNET	EU	2001-2003
SE2.Chemistry	CISLINE	EU	2002-2004
SE2.Chemistry	Hr. Sartale / Stipendium	AvH	2003-2004
SE2.Chemistry	Industrieerlöse ILGAR-Verfahren, TT-Projekt	Daimler Chrysler	

Dep.Project	Topic	Funding Agency	Duration
SE2.Concepts	Quantum Computer EU	EU	2000-2002
SE2.Concepts	ETA-Cells	EU	2000-2004
SE2.Concepts	Organische Solarzellen	BMBF	2000-2003
SE2.Concepts	Fullerene als Atomfallen	DFG	2001-2004
SE2.Concepts	Leitende Ionenspuren	BMBF	2001-2004
SE2.Concepts	MIBCELL	EU	2001-2004
SE2.Concepts	Polymere Solarzellen	BMBF FhG	2001-2003
SE2.Concepts	Random Light Traps	BMBF FZJ	2001-2003
SE2.Concepts	QIPDDF-Roses	EU	2003-2004
SE2.Concepts	Organische Solarzellen mit OVPD	BMU	2003-2006
SE2.Concepts	Fr. Nosova / Stipendium	DAAD	2003-2004
SE2.Concepts	Hr. Musembi / Stipendium	DAAD	2003-2004
SE2.Concepts	Hr. Ogacho / Stipendium	DAAD	2003-2004
SE2.Analytics	HERCULAS	EU	2000-2004
SE2.Analytics	Photovoltaik-Module	BMBF	2000-2004
SE2.Analytics	Lizenzerlöse	Omicron	2003-2012
SE2.Others	Industrieerlöse SE2	Schering	2002-2003
SE2.Others	Molekulare Elektronik (über FU)	FU	2003-2008
SE3.Baseline	Entwicklung einer zerstörungsfreien Prüfmethode mittels Raman Spektroskopie	Shell	
SE3.Control	Electric Field Induced p-n Junctions	NATO	2001-2003
SE3.Control	Space Solar Arrays	Contraves	2001-2002
SE3.Control	Thin Film Solar Cells For Space	Dutch Space	2002-2005
SE4.Cells	Industrielle Fertigungstechnologie für Verbindungshalbleiter mit kleinem Bandabstand (Indufert)	BMBF	2001-2003
SE4.Dynamics	Elektronentransfer Reaktionen	VW-St.	1998-2003
SE4.Dynamics	Ultraschnelle Photo-Reaktion	DFG	1998-2004
SE4.Dynamics	Dynamik heißer Elektronen	DFG	2000-2003
SE4.Others	Nanostrukturen aus kolloid. Halbleitern	DFG	2000-2003
SE4.Others	Magnetic Nanoscale P	EU	2000-2004
SE4.Others	diverse Erlöse aus Bestrahlungen	div.	
SE5.Energetics	silicon-organic hybrids	VW-St.	2002-2005
SE5.Energetics	Magnetron sputtern	BMWA	2003-2005
SE5.Energetics	Industrieerlöse im Projekt Energetics	HIAT	
SE5.Interfaces	Si-Nanostruktur	DFG	2001-2004