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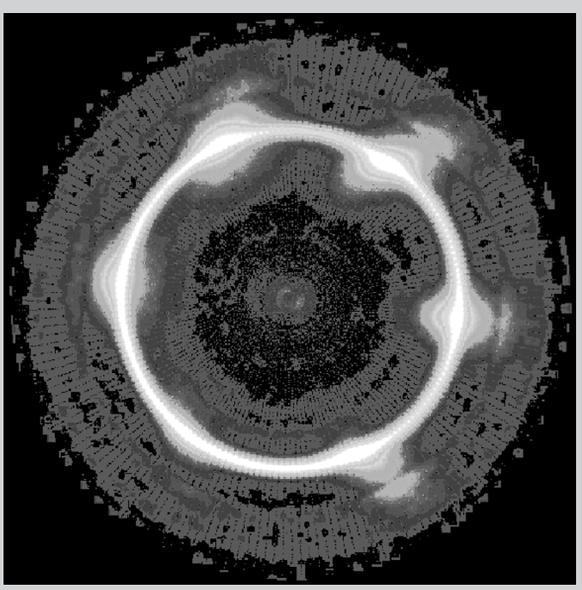

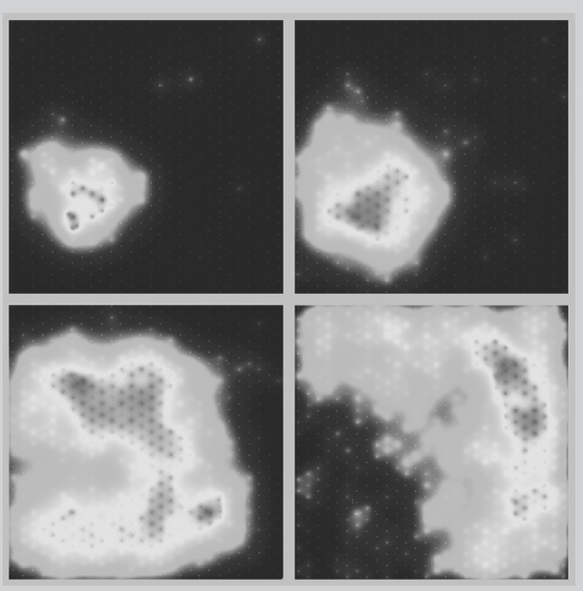

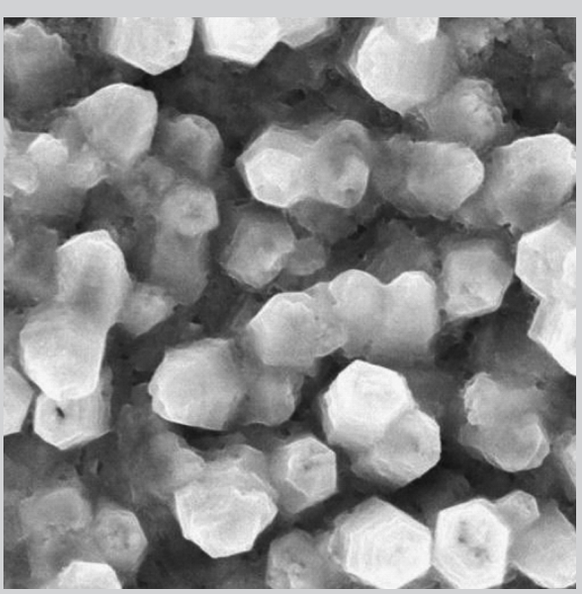

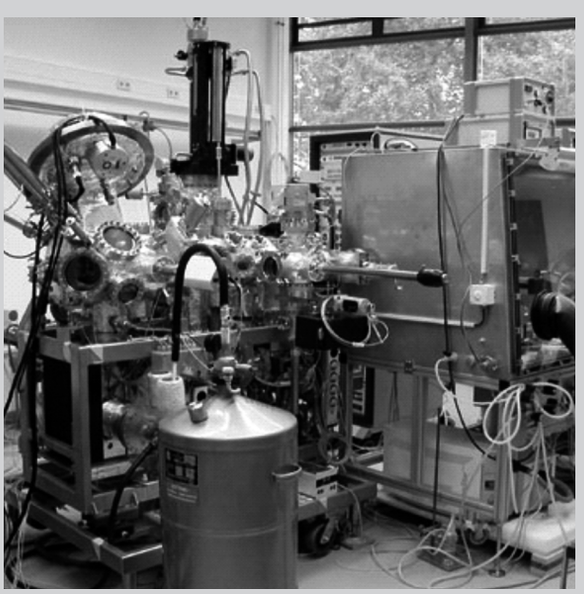

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SF – BENSC

SF1.BENSC

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Neutron diffraction studies of magnetic ordering in $R_3Co_8Sn_4$ (R = Tb, Er)
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Magnetic structures of $RNiSn_2$ (R = Tb, Dy, Ho) compounds
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Complex magnetic phase diagram od Dy_3Co single crystal
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Szytula, A.; Gondek, L.; Penc, B.; Stüßer, N.; Hernández-Velasco, J.:
Neutron diffraction studies of RRhX (R = Tb, Er; X = Si, Ga) compounds
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Wiedenmann, A.; Rupp, A.; Gorzel, A.; Heil, W.
Two-dimensional SANSPOL Investigations of Magnetic Liquids with Polarisation Analysis using ^{3}He filters
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Asymmetry from Axially Focusing Monochromators.
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Danilkin, S.A.
Crystal structure and lattice dynamics of hydrogen-loaded austanitic steels
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Gatchina, Russia, 14-19.10.2002

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Entwicklung von ^{3}He-Neutronenspinfilterzellen am HMI
Frühjahrstagung des Arbeitskreises Festkörperphysik bei der DPG,
Regensburg, 11. – 15.03.2002

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Gamari-Seale, E.; Troyanchuk, I.O.; Stefanopoulos, ?.?.; Khalyavin, D.D.; Hernández-Velasco, J.
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Ion Beam Analytics

Conference Contribution, Talk
Denker, A.:
Proton Induced X-Ray Emission Using 68 MeV Protons
Energy Dispressive X-Ray Spectrometry, EDXRS,
Berlin (Germany), 16.-21.6.2002

Conference Contribution, Talk
Denker, A.; Opitz-Coutureau, J.; Homeyer, H.; Grothus, H.; Tschentscher, M.; Michaelis, H.:
Proton Irridation Test of the Rosetta Rolis CCD Detector Electronics
39th Annual International Nuclear and Space Radiation Effects Conference,

Phoenix, Arizona (USA), 15.-19.7.2002

Invited Talk
Denker, A.:
Non-Destructive PIXE Analysis on Early Middle Age Brooches Covered by a Thick Protection Plastic
Workshop "Development of Analytical Methods", Gent (Belgium), 25.1.2002 (Im Rahmen der Cost G8 Aktion Non-Destructive Testing on Museum Objects)

Invited Talk
Denker, A.:
Metallic Objects and Paintings: High-Energy Protons Reveal the Manufacturing Technique
5th International Topical Meeting on Industrial Radiation and Radioisotope Measurement Applications,
Bologna (Italy), 9.-14.6.2002

Invited Talk
Denker, A.:
Materials Analysis Using Fast Ions
17th International Conference on Accelerators in Industry and Research,
Denton, Texas (USA), 12.-16.11.2002

Invited Talk
Denker, A.:
Swift Ion Beams for Solid State and Materials Science
XXXIII European Cyclotron Progress Meeting, Warsaw, Krakow (Poland), 18.-21.9.2002

Invited Talk
Denker, A.:
Application of Swift Ion Beams in Solid State and Materials Science
TRIUMF Seminar,
Vancouver (Canada), 18.11.2002

Oral Contribution
Bohne, W.; Lindner, S.; Röhrich, J.; Strub, E.:
Possibilities and Limitations of ERDA-Examples from ERDA-TOF Setup at HMI
ASEVA-Summer School, Modern Surface Analytical Techniques,
Avila (Spain), 22.-24.7.2002

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9th International Conference on Composite Engineering,
San Diego (USA), 1.-6.7.2002

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del Prado, A.; San Adrés, E.; Mártil, I.; Gonzaléz-Díaz, Bravo, D.; López, F. J.; Bohne, W.; Röhrich, J.; Selle, B.:
Structural Properties of Silicon Oxynitride Films Deposited by the Electron Cyclotron Resonance Plasma Technique
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Poster, Conference Contribution
Denker, A.; Blaich, M. C. :
Non-Destructive Analysis of Metals behind Thick Layers of Material
33rd International Archaeometry Symposium, Amsterdam (The Netherlands), 22.-26.4.2002

Invited Talk
Denker, A.:
Hochenergie Ionenstrahlen in Technologie und Kunst
Ionenstrahltreffen,
Göttingen (Germany), 29.-30.4.2002

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Bohne, W.; Ellmer, K.; Kluth, O.; Lindner, S.; Menner, R.; Orgassa, K.; Röhrich, J.; Strub, E.:
Bestimmung der Dichte und des Verunreinigungsgehaltes von ZnO:Al-Schichten mittels elastischer Vorwärtsstreuung (ERD)
TCO Workshop,
Jülich (Germany), 16.-17.9.2002

Precision Proton Therapy

Oral Contribution
Heese, J:
BANG Polymer Gel Dosimetry for 68 MeV Protons
XXXVII. Meeting of the Particle Therapy Co-operative Group (PTCOG),
Cape Town, South Africa, 30.10.2002

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The Proton Treatment Facility at HMI
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Aktueller Stand und neue Entwicklungen der Protonentherapie von okularen Tumoren am Hahn-Meitner-Institut (HMI) Berlin
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Ludwig, R.; Feiste, U.; Schmidt, C.; Schubert, C.; Berger, J.; Hilliger, E.; Kroh, M.; Yamamoto, T.; Weinert, C. M.; Weber, H. G.:
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Ludwig, R.; Schubert, C.; Watanabe, S.; Futami, F.; Schmidt, C.; Berger, J.; Boerner, C.; Ferber, S.; Weber, H. G.:
160 Gb/s 3R-Regenerating Wavelength Converter
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Makuhari Messe (Japan), July 2002

Melo, M.; Toptchiyski, G.; Petermann, K.; Schubert, C.:
Analysis of ADD/DROP Multiplexing at 160 Gbit/s to Base Data Rates of 10 Gbit/s and 40 Gbit/s
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Optical Fiber Communication Conference 2002, Technical Digest, ThU1,
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Improved Performance of a 160 Gb/s Fibre Based All-Optical Switch Using Rectangular Gating Pulses
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Tekin, T.; Schubert, C.; Berger, J.; Schlak, M.; Maul, B.; Brinker, W.; Molt, R.; Ehlers, H.:
160 Gbit/s Error-Free All-Optical Demultiplexing Using Monolithically Integrated Band Gap Shifted Mach-Zehnder Interferrometer
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Wesch, W.; Kamarou, A.; Wendler, E.; Gaiduk, P. I.; Klaumünzer, S.:
Ionization Stimulated Defect Annealing in GaAs and InP
13th International Conference on Ion Beam Modification of Materials (IBMM 2002),
Kobe, (Japan), 1.-6.9.2002

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Mont Tremblant (Canada), 15.-17.7.2002

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All-Optical Demultiplexing Performance of Monolithically Integrated GS-MZI Module
Intern. Workshop on Optical MEMS and Integrated Optics,
Universität Dortmund, (Germany), 11.-12.6.2002

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40 GHz Optical Clock Extraction from 160 Gbit/s Data Signals Using PLL-Based Clock Recovery
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Weber, H. G.; Ludwig, R.:
Ultrafast OTDM Transmission Technology with Advanced Optical Devices
International Workshop on Femtosecond Technology,
Tsukuba (Japan), 27.-28.6.2002

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Weber, H. G.; Ludwig, R.; Schmidt, C.; Schubert, C.; Berger, J.; Hilliger, E.; Kroh, M.; Marembert, V.; Boerner, C.; Ferber, S.; Ehrke, H. J.:
160Gbit/s TDM Transmission Techniques
European Conference on Optical Communication (ECOC),
Paper 2.1.1; (Denmark), 8.-12.9.2002

Invited Talk
Sulik, B.; Koncz, Cs.; Tökési, K.; Orbán, A.; Köver, Á.; Ricz, S.; Stolterfoht, N.; Hellhammer, R.;

Chesnel, J.-Y.; Richard, P.; Tawara, H.; Aliabadi, H.; Berényi, D.:
Multiple Electron Scattering in Ion-Atom Collisions: Fermi-Shuttle Acceleration in Ionization
19th International Conference on X-Ray and Inner-Shell Processes,
Rome (Italy), 24.-28.6.2002

Invited Talk
Blazevic, A.; Pirzadeh, P.; Bohlen, H. G.; von Oertzen, W.:
Charge State Dependence on the Stopping of Swift Heavy Ions in the Non-Equilibrium Region
17th Int. Conf. on the Application of Accelerators in Research and Industry (CAARI 2002),
Denton (USA) 12.-16.1.2002

Poster
Stolterfoht, N.; Sulik, B.; Hoffmann, V.; Skogvall, B.; Chesnel, J. Y.; Rangama, J.; Frémont, F.; Hennecart, D.; Cassimi, A.; Husson, X.; Landers, A. L.; Tanis, J. A.; Galassi, M. E.; Rivarola, R. D.:
Interference Effects in Electron Emission from H_2 by Fast Ion Impact
19th International Conference on X-Ray and Inner-Shell Processes,
Rome (Italy), 24.-28.6.2002

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Rangama, J.; Chesnel, J. Y.; Frémont, F.; Cassimi, A.; Adoui, L.; Hennecart, D.; Husson, X.; Grandin, J.-P.; Stolterfoht, N.; Sulik, B.; Hoffmann, V.; Bremer, J.-A.; Tanis, J. A.; Landers, A. L.:
Identification of Dielectronic and Shake Processes for Producing Double K-shell Vacancies in Lithium by Fast Charged Particle Impact
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Rome (Italy), 24.-28.6.2002

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Robin, A.; Niemann, D.; Stolterfoht, N.; Heiland, W.:
Step Effects in the Interaction of Highly Charged Ions (HCl) with a Metal Surface
11th International Conference on the Physics of Highly Charged Ions (HCI),
Caen (France), 1.-6.9.2002

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Pešic, Z. D.; Chesnel, J. Y.; Hellhammer, R.; Sulik, B.; Stolterfoht, N.:
Fragmentation of H_2 in the Interaction with Slow, Highly Charged Ions
International Workshop on Atomic Physics,
Dresden (Germany), 9.-13.12.2002

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Trautmann, S.; Klaumünzer, S.; Schwartz, K.; Toulemonde, M.:
Ion-Induced Swelling and Creep in Quartz
Swift Heavy Ions in Matter (SHIM 2002),
Taormina – Giardini Naxos (Italy), 22.-25.5.2002

Poster
Buchali, F.; Bülow. H.; Baumert, W.; Schmidt, M.; Schuh, K.; Lach, E.; Corbel, E.; Berger, J.; Ludwig, R.; Schubert, C.; Weber, H. G.:
Adaptive PMD Compensation in a 160 Gb/s RZ Transmission System Using Eye Monitor Feedback
28th European Conference on Optical Communication (ECOC),
Copenhagen (Denmark), 8.-12.9.2002

Poster
Hilliger, E.; Marembert, V.; Schubert, C., Weber, H. G.; Yvind, K.; Hanberg, J.:
Improved Electroabsorption Demultiplexer by Tandem-Arrangement with Semiconductor Optical Amplifier
Optical Fiber Conference 2002 (OFC),
Paper ThGG92,
Anaheim, CA (USA), 15.-19.7.2002

Kamarou, A.; Wendler, E.; Gaiduk, P.; Wesch, W.:
Swift Heavy Ion Irradiation of Pre-Damaged GaAs and InP – The Effect of High Electronic Energy Deposition
DPG-Frühjahrstagung 2002,
Regensburg, (Germany), 11.-15.3.2002

Oral Contribution
Bolse, W.; Feyh, A.; Renz, T.; Schattat, B.; Wiesner, J.; Klaumünzer, S.; Schrempel, F.:
Einfluss des Bestrahlungswinkels auf das "Hochenergie-Ionenmischen in keramischen Dünnschicht-Systemen"
Frühjahrstagung Festkörperphysik,
Regensburg (Germany), 11.-15.3.2002

Oral Contribution
Schattat, B.; Bolse, W.; Feyh, A.; Renz, T.; Wiesner, J.; Klaumünzer, S.; Jaseneck, A.; Schrempel, F.:
Ionenstrahlinduzierte Grenzflächendurchmischung in CaO_x/SiO_2 durch elektronische Energiedeposition
Frühjahrstagung Festkörperphysik,
Regensburg (Germany), 11.-15.3.2002

Oral Contribution
Tröger, W.; Heinrich, F.; Haas, H.:
204mPb: Eine isomere TDPAC-Sonde für das Heimlabor
Arbeitstreffen "Forschung mit nuklearen Sonden und Ionenstrahlen",
Bonn (Germany), 30.9.-2.10.2002

Poster
Feyh, A.; Renz, T.; Schattat, B.; Wiesner, J.; Bolse, W.; Klaumünzer, S.; Jaseneck, A.:
Selbstorganisation von NiO/SiO_2-Schichtpaketen unter Hochenergie-Ionenstrahlung
Frühjahrstagung Festkörperphysik,
Regensburg (Germany), 11.-15.3.2002

Accelerator Developments

Invited Talk
Bundesmann, J.; Hoffmann, V.; Hellhammer, R.; Stolterfoht, N.:
Advanced Control of an ECR-Source and Beam-Line System on High Voltage Potential
17th International Conference on the Application of Accelerators in Research and Industry,
Denton, Texas (USA), 12.-16.11.2002

Invited Talk
Bundesmann, J.; Hellhammer, R.; Hoffmann, V.; Stolterfoht, N.:
Advanced Control of ECR-source and Beamline System on High Voltage Potential
CAARI, Denton,
Texas (USA), 15.11.2002

Invited Talk
Homeyer, H.:
Status of ISL
33rd ECPM
Warsaw/Krakow (Poland), September 2002

Invited Talk
Homeyer, H.:
Concluding Remarks
33rd ECPM
Warsaw/Krakow (Poland), September 2002

Oral Contribution
Arndt, P.; Denker, A., Homeyer, H.; Meseck, A.; Röhrich, J.:
Status of the ISL's ECR Ion Source Injectors for the k=132 Cyclotron
36th Symposium of Northeastern Accelerator Personnel,
Lafayette, Louisiana (USA), 7.-10.10.2002

Oral Contribution
Pelzer, W.:
Operation of the RFQ-Injector at the ISL-Cyclotron
33rd ECPM
Warsaw/Krakow (Poland), September 2002

Oral Contribution
Rethfeldt, C.; Busse, W.:
A Seamless Control System Upgrade for the Continuously Running Accelarator Facility at Hahn-Meitner-Institut (HMI) Berlin
4th International Workshop on Personal Computers and Particle Accelerator Controls,
Frascati, RM (Italy), 14.-17.10.2002

SF – Instruments at BESSY

SF2.BESSY

Oral Contribution
Stock, C., Genzel, Ch., Reimers, W.:
Problems Related to Energy-Dispersive X-Ray Stress Aanlysis Performed in Reflection Geometry.
European Conference on Residual Stress, ECRS-6,
Coimbra (Portugal) 10. – 12.07.2002

SF4.BESSY

Oral Contribution
Neumann, W.; Schneider, R.; Richter, U.; Schulze, C.; Schumacher, G.; Wanderka, N.; Bartsch, M.; Messerschmidt, U.:
Structural and Analytical Studies of Nickel-Based Superalloy SC16
15th Int. Congr. on Electr. Micr., Mikrosymposium: Metals, Alloys and Intermetallics
Durban (South Africa), 1.-6.9.2002

Poster
Darowski, N.; Zizak, I; Schumacher, G; Klaumünzer, S.:
Surface Crystallinity and Radiation-Amorphization of InP - an X-Ray Grazing Incidence Study
5th International Symposium on Swift Heavy Ions in Matter,
Taormina (Italy), 22.-25.5.2002

Poster
Darowski, N.; Zizak, I.; Wendler, E.; Schumacher, G.; Klaumünzer, S.:
Material Modification of InP Induced by Ion Bombardment - A Grazing Incidence Diffraction Study
6th Biennial Conference on High Resolution X-Ray Diffraction and Imaging,
Grenoble-Aussois (France), 10.-14.9.2002

Poster
Zizak, I.:
Small Angle X-Ray Scattering Station at BESSY
12th International Conference on Small-Angle Scattering,
Venice (Italy), 25.-29.8.2002

Poster
Darowski, N.; Zizak, I.; Schumacher, G.; Klaumünzer, S.; Wendler, E.:
Surface Crystallinity and Radiation-Amorphization of InP – An X-Ray Grazing Incidence Study
5th Int. Conf. Swift Heavy Ions in Matter, SHIM5,
Taormina (Italy), 22-26.5.2002

Poster
Liu, Q.; Schumacher, G.:
Texture Evolution During Crystallization of Thin Amorphous Films
Annual Fall Meeting of the Materials Research Society, Symposium W: Morphological and Compositional Evolution of Thin Films,
Boston (USA), 2-6.12.2002

Oral Contribution
Neumann, W.; Wanderka, N.; Richter, U.; Chen, W.; Schneider, R.; Schumacher, G.; Liu, Q.; Bartsch, M.; Messerschmidt, U.:

Experimente und Modellvorstellungen zu Frühstadien der Floßbildung in der Superlegierung SC16
Symposium im Rahmen des DFG-Schwerpunktprogrammes „Strukturgradienten in Kristallen“
Hünfeld (Germany), Februar 2002

Poster
Chen, W.; Darowski, N.; Zizak, I.; Schumacher, G.; Wanderka, N.; Neumann, W.:
Lattice Mismatch in Creep Deformed Superalloy SC16
BESSY User Meeting 2002,
Berlin (Germany), 5.-6.12.2002

Poster
Neumann, W.; Richter, U.; Chen, W.; Schneider, R.; Schumacher, G.; Wanderka, N.; Bartsch, M.; Messerschmidt, U.:
Experimente und Modellvorstellungen zu Frühstadien der Floßbildung in der Superlegierung SC16
10th Annual Meeting of the German Society for Crystallography,
Kiel (Germany), 4.-7.3.2002

Poster
Strunz P.; Schumacher, G.; Vassen, R.:
Characterization of Pore Microstructure in Ceramic Thermal Barrier Coatings by Small-Angle Neutron Scattering
BENSC User Meeting (Satellite Meeting of ESS European Conference),
Bonn (Germany), 16.-17.5.2002,

SF1 – Instruments and Methods

Collective Dynamics and Diffusion

Invited
Pappas, C.; Mezei, F.; Ehlers, G.; Campbell, I.A.:
Unambiguous determination of magnetic scattering by NSE -critical scaling in spin glasses
International Workshop on Polarized Neutrons in Condensed Matter Investigations
Jülich, Deutschland, 14-15.9.2002

Oral
Gutberlet, T.
Adsorption kinetics of phospholipid membranes to solid-liquid interfaces - Time resolved neutron reflectivity studies Symposium
Applications of Neutron Scattering in Structural Biology, ACS Annual Meeting
Boston, USA, 16.-22.8.2002

Oral
Eschricht, N; Hoinkis, E.; Mädler, F; Schubert-Bischoff, P.:
Reconstruction of the mesoporous silica glass Gelsil 50
6th International Symposium on the Characterization of porous solids (COPS VI).
Alicante, Spain, May 8 -11, 2002.

Oral Contribution
Steitz, R.
Polymer cushions for self-assembled lipid membranes at the solid-liquid interface
REFILL, Workshop on progresses in neutron reflectometry at the ILL
Grenoble, France, 24.-26.10.2002

Poster
Klösgen, B.; Gutberlet, T.; Howse, J.; Estrela Lopis, I. ; R. Steitz
Adsorption of lipid layers to a hydrobhopbic polymer grafted Si-support
46. Annual Meeting Biophysical Society
San Francisco, USA, 23.-27.2.2002 (abstract in Biophys. J., 82, 2002, 32a)

Poster
Huster, D.; Vogel, A.; Binder, H.; Zschörnig, O.; Gutberlet, T.; Katzka, C.; Waldmann, H.; Arnold, K.
Membrane binding of a lipidated Ras peptide studied by solid-state NMR, neutron diffraction, and FTIR spectroscopy
46. Annual Meeting Biophysical Society
San Francisco, USA, 23.-27.2.2002 (abstract in Biophys. J., 82, 2002, 531a)

Poster
Gutberlet, T.; Steitz, R.; Fragneto, G.; Kloesgen, B.
Adsorbtion kinetics of phospholipid membranes to solid-liquid interfaces. Time-resolved neutron diffraction
ESS European Conference
Bonn, Germany, 16.-17.5.2002

Poster
Lieutenant, K.; Gutberlet, T.; Wiedenmann, A.
MC simulations of SANS instruments at ESS
ESS European Conference
Bonn, Germany, 16.-17.5.2002

Poster
Vorderwisch, P.; Hautecler, S.; Kearley, G.J.; Rogalsky, O.; Hüller, A.
Inelastic neutron scattering from NH_3 rotors in Hofmann clathrates
American Conference on Neutron Scattering (ACNS)
Knoxville, Tennessee, U.S.A., 23-27.6.2002

Poster
Vorderwisch, P.; Hautecler, S.; Kearley, G.J.; Rogalsky, O., Hüller, A.
Rotational motions of NH_3 groups in Hofmann clathrates
Int. Conference on Qusielastic Scattering (QENS 2002)
Potsdam, Germany, 4-7.9.2002

Oral
Steitz, R.
On the Interface of a hydrophobic Substrate against Water

Annual Meeting of the DFG Priority Program 1052 "Wetting and Structure Formation at Interfaces" Reisensburg (Günzburg), Germany, 22. – 26.07.2002

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 "Wetting and Structure Formation at Interfaces" Reisensburg (Günzburg), Germany, 22. – 26.07.2002

Poster
Steitz, R.; Fritzsche, H.;
Reflectometry studies of structured interfaces and thin films
HGF-Workshop "Kondensierte Materie", FZ Jülich, Jülich, Germany, 06.11.2002

Technical Principals of Neutron Research

Oral
Mezei, F.:
Multi-spectral neutron beam extraction
SPIE Conference, Neutron Optics,
Seatlle, WA, USA, 7-11.7.2002

Oral
Krist, Th.
Solid state elements for neutron optics
American Conference on Neutron Scattering,
Knoxville, USA, July, 26. 2002.

Oral
Krist, Th.
Interface growth in FeCo-Si multilayers determined with atomic resolution
Seminar talk Argonne National Laboratories,
Argonne, USA, June, 20. 2002.

Oral
Krist, Th.
Neutron optical elements from HMI Berlin
Seminar talk Laboratoire Léon Brillouin,
Saclay, September, 5, 2002.

Oral
Krist, Th.
Neutron optics: state of the art and future research tasks in the COST P7 action
COST meeting, LURE,
Orsay, September, 6, 2002.

Oral
Bordallo, H.N.
What is new on Vitess 2.2?
SINS-II Workshop: "Simulation of Neutron Spectrometers",
Grenoble, France, 20-22.3.2002

Oral
Bordallo, H.N.
Monte Carlo Simulation of a High Resolution Backscattering Spectrometer
4th SCANS General Meeting Bonn, Germany, 15.5.2002

Oral
Zsigmond, G.
Ultra-High Resolution Powder Diffractometer at LPTS at ESS
SCANS Workshop, Abingdon, UK, 4.10.2002

Oral
G. Zsigmond,
Monte Carlo Simulation of a Pulsed-Source Time-Focused Crystal Analyzer Spectrometer
International Symposium on Optical Science and Technology, SPIE's 47th Annual Meeting, Seattle, USA, 7-11.7.2002

Oral
G. Zsigmond,
High resolution study of Roton Excitations in Superfluid 4He
ACNS - American Conference on Neutron Scattering,
Knoxville, Tennesse, 23-27.7.2002

Oral
Zsigmond, G.
Monte Carlo Simulation of Time-focused Crystal Spectrometers and Time-of-flight-Laue-diffraction
4th SCANS General Meeting Bonn, Germany, 15.5.2002

Oral
Zsigmond, G.
Monte Carlo Simulations on General Time-focusing of Crystal Analyzer Spectrometers
SINS-II Workshop: "Simulation of Neutron Spectrometers",
Grenoble, France, 20-22.3.2002

Oral
Lieutenant, K.
New Features in Vitess 2.3: Ray tracing, module structure, source code, S(Q) sample
4th SCANS General Meeting Bonn, Germany, 15.5.2002

Oral
Lieutenant, K.
Status of the Development of VITESS
5th SCANS General Meeting Abingdon, UK, 4.10.2002

Oral
Lieutenant, K.
MC simulations of a beamline for a NSE instrument using VITESS
SINS-II Workshop: "Simulation of Neutron Spectrometers",
Grenoble, France, 20-22.3.2002

Oral
Manoshin, S.
Simulation of polarizing convergent benders by VITESS

4th SCANS General Meeting Bonn, Germany, 15.5.2002

Poster
Jauch, W., Reehuis, M.
The electron density distribution in paramagnetic and antiferromagnetic MnO: A g–ray diffraction study
XIX Congress of the International Union of Crystallography,
Geneva, Switzerland, 06.--15.8.2002

Poster
Krist, Th.; Fritzsche, H.: Hoffmann, J. E.; Mezei, F.
Radial solid state elements for neutron optics
Deutsche Neutronenstreutagung,
Bonn, D, May, 15 –17. 2002.

Poster
Krist, Th.; Hoffmann, J. E.; Mezei, F.
Solid state polarisers
PNCMI 2002,
Jülich, D, September, 16.-19 2002.

Poster
Krist, Th.; Cho, S.J..; Mezei, F.
Interface growth in FeCo-Si multilayers determined with atomic resolution
REFill 2002,
Grenoble, October, 24-26. 2002.

Poster
Habicht, K.; Golub, R.; Keller, T.
Resolution Issues for Neutron Spin Echo Spectroscopy on Triple Axis Spectrometers
Workshop on the perspectives in Single Crystal Neutron Spectroscopy (SCNS), ILL,
Grenoble, France, 12-14.12.2002

Poster
Pappas, C.;Kischnik, R.:
Towards higher resolution in wide angle Neutron Spin Echo spectroscopy
International Workshop on Polarized Neutrons in Condensed Matter Investigations
Jülich, Deutschland, 14-15.9.2002

Poster
Pappas, C.; Veigel, R.; Triolo, A.; Kischnik, R.; Betzold, B.:
A novel velocity selector for polarised neutrons
International Workshop on Polarized Neutrons in Condensed Matter Investigations
Jülich, Deutschland, 14-15.9.2002

Poster
Bordallo, H. N.; Zsigmond, G.; Herwig, K. W.
Monte-Carlo simulations of a high-resolution back-scattering spectrometer
8th ESS General Meeting Bonn, Germany, 16-17.5.2002

Poster
Zsigmond, G.
MC Simulation of Polarising Cavities
Workshop on Polarized Neutrons in Condensed Matter Investigations
Jülich, Germany, 15-19.9.2002

Poster
Zsigmond, G. et al
VITESS: A Monte Carlo Simulation Program for Neutron Scattering Instruments
8th ESS General Meeting Bonn, Germany, 16-17.5.2002

Poster
Lieutenant, K. et al.
Monte Carlo simulations of SANS instruments at ESS
8th ESS General Meeting Bonn, Germany, 16-17.5.2002

Poster
Lieutenant, K. et al.
MC simulations of a NSE instrument at a pulsed source
8th ESS General Meeting Bonn, Germany, 16-17.5.2002

Poster
Manoshin, S. et al.
Simulation of polarizing convergent benders by VITESS
8th ESS General Meeting Bonn, Germany, 16-17.5.2002

Poster
Manoshin, S. et al.
Simulation of NSE Spectrometer using a Convergent Bender as Neutron Polarizer
Workshop on Polarized Neutrons in Condensed Matter Investigations
15-19.9.2002, Jülich, Germany

Oral
Krist, Th.
Solid state elements for neutron optics
IFF seminar talk,
Jülich, D, April, 18. 2002.

Oral
Krist, Th.
Solid state elements for neutron optics
Seminar talk, HMI
Berlin, May, 7. 2002

Oral
Krist, Th.
Solid state elements for neutron optics
GKSS seminar talk,
Geesthacht, D, November, 25. 2002.

Oral
Zsigmond, G.
Monte Carlo Simulationen von Time-of-Flight-NSE
4th Meeting NSE für SNS
16-17.12.2002

Oral
Lieutenant, K.
MC simulations of a beamline for a NSE instrument using VITESS

3rd Meeting NSE für SNS
Jülich, 11-12.11.2002

Oral
Lieutenant, K.
MC Simulationen zur Optimimierung des SNS-NSE-Instruments
4th Meeting NSE für SNS
Berlin, 16-17.12.2002

Spallation

Oral
Russina, M.; Mezei, F.:
Multiplexing chopper systems for spallation neutron source instruments
SPIE Conference, Neutron Optics,
Seatlle, WA, USA, 7-11.7.2002

Oral
Peters, J.
Simulation of resolution problems in TOF single crystal diffraction measurements
Simulations of Neutron Scattering (SINS)-II Workshop,
Grenoble, France, 20-22.3.2002

Poster
Jauch, W.; Peters, J.
Analysis of integration methods for 3D Bragg peaks
ESS European Conference,
Bonn, Germany, 15-17.5.2002

Poster
Ohl, M.; Monkenbusch, M.; Richer, D.; Pappas, C.; Lieutenant, K.; Mezei, F.:
High resolution NSE spectrometer for spallation sources: a feasibility study
American Conference on Neutron Scattering
Knoxville, Tennessee, USA, 23-27.6.2002

Oral
Schnürer M.; Ter-Avetisyan, S.; Busch, S.; Sandner, W.; Nickles, P.V.; Jahnke, U; Hilscher, D;, Naumova, N.; Ruhl, H.:
Kernwechselwirkung: Partikelerzeugung mit 35 fs Impulsen aus Wasserjet-Tröpfchen Targets
DFG Schwerpunkt(1053)Tagung,
Bad Honnef, 17.-19.12.2002

SF2 – Magnetism

Bulk Magnetism

Invited
Argyriou, D. N.:
Polaron Dynamics in CMR Manganites
International Workshop on "CMR Manganites and Related Transition Metal Oxides",
Telluride, Colorado/USA, 14-19th July 2002.

Invited
Argyriou, D. N.:
Polaron Dynamics in CMR Manganites
Congress of the International Union of Crystallography,
Geneva, 5-16th August 2002.

Invited
Feyerherm, R.:
Magnetic-Field Induced Gap and Staggered Susceptibility in the S = 1/2 chain Pyrimidine Copper Nitrate
19th Spring Meeting of the European Physical Society – Condensed Matter Division, EPS-CMD19, April 07.-11. 2002

Invited
Feyerherm, R.:
Magnetic Structures of Transition Metal Coordination Compounds Determined by Neutron Diffraction
13th Winter School on Coordination Chemistry, Karpacz, Poland, December 09.-13. 2002

Invited
M. Tovar:
Structural and magnetic properties of Ni-Cu-Cr oxide spinels
NATO Science Programme, Advanced Research Workshop: Low Temperature Quantum Effects: Dynamic Interactions in Technical Applications, Warschau, Polen, 29.8.-01.09.2002

Plenary
Prokeš K.;
Neutron Scattering Studies of Uranium Compounds in High Magnetic Fields
The 3rd International Symposium on Advanced Science Research Advances in the Physics of f-electron Systems JAERI
Tokai, Ibaraki, Japan, November 13th, 2002

Oral
Argyriou, D. N., Osborn, R.; Campbell, B. J.; Mitchell, J.F.; Bordallo, H.N.:
Glass Transition in the Polaron Dynamics of CMR Manganites
American Physical Society,
Indianapolis, *18-22nd* March 2002.

Oral
Chapon, L.C.; Radaelli, P.G; Argyriou, D.N.; Mitchell, J.F.:
Complex Phase Segregation in $Pr_{0.65}(Sr_{1-y}Ca_y)_{0.35}MnO_3$
American Physical Society,
Indianapolis, *18-22nd* March 2002.

Oral
Feyerherm, R.:
Coexistence of magnetism and charge density wave in $Er_5Ir_4Si_{10}$ - a combined neutron and X-ray diffraction study
Neutron and Synchrotron X-Ray Scattering in Condensed-Matter Research, NSCmr2002, Paul-Scherrer-Institut, Villlingen, CH, 4.-6. August 2002

Oral
Lynn, J.W.; Argyriou, D.N.; Chapon, L. C.; Ren, Y; Mukovskii, Y.M.; Shulyatev, D.:

X-ray diffuse scattering by Polarons in La 0.7Ca0.3MnO3
American Physical Society,
Indianapolis, *18-22nd* March 2002.

Poster
Bordallo, H. N., Manson, J. L., Chapon, L. C. , Feyerherm, R., Copley, J. R. D.:
Magnetic Neutron Scattering of Rutile-like $Mn(dca)_2$ and ReO_3-like $Mn(dca)_2(pyz)$
International Conference on Molecule-based Magnets, ICMM 2002,
Valencia, 5.-10. October 2002

Poster
Feyerherm, R.:
Magnetism in Molecule-Based Compounds
ESS European Conference,
Bonn, 16.05.2002

Poster
Feyerherm, R., Loose, A., Ishida, T., Li, J., Rabu, P.:
Magnetic Structures of Transition Metal Coordination Compounds Determined by Neutron Diffraction
International Conference on Molecule-based Magnets, ICMM 2002,
Valencia, 5.-10. October 2002

Poster
Hernández-Velasco, J.
Magnetic structures and field induced transitions in R_2BaCoO_5 (R = Rare Earth)
ESS-European conference,
Bonn 15.Mai-17.Mai 2002

Poster
Hoffmann, J.-U.; Hohlwein, D.; Schneider, R.P.:
Magnetic Short Range Order in La(1-x)Sr(x)MnO(3) (x=0, 0.1, 0.15 and 0.2)
ESS European Conference,
Bonn, 16-17 Mai 2002

Poster
Hoser, A, Stüßer, N.; Schotte, U.; Meschke, M.; Meißner, M.; Wosnitza, J.:
A neutron diffraction study of the magnetic phases of $CsCuCl_3$ for in-plane fields up to 17 T
ESS-Eurpean conference,
Bonn, 15.Mai-17.Mai 2002

Poster
Kreitlow, J., Wolter, A.U.B., Baabe, D., Feyerherm, R., Doll, K., Ishida, T., de Melo, M.A.C., Amato, A.:
Canted Antiferromagnetism in TPM_2X_2; a microscopic study
International Conference on Molecule-based Magnets, ICMM 2002,
Valencia, 5.-10. October 2002

Poster
Prokeš, K.; Bartashevich,M.; Nakotte, H.; Sechovský, V.;
Neutron diffraction studies of U2Pd2In single crystal in fields up to 17T
ESS European Conference, Czech Satellite Meeting,
Bonn, 15 May 2002

Poster
Prokeš, K.; Nakotte, H.; Sechovský, V.; Andreev, A.V.; Bruck, E.;
Uranium compounds in high magnetic fields: What we can learn from neutron scattering?
ESS European Conference, German Satellite Meeting,
Bonn, 15 May 2002

Poster
Stüßer, N.; Garcia-Matres, E.; Hofmann, M.; Reehuis, M.:
Magnetic phases in $Mn_{1-x}Fe_xWO_4$ studied by neutron powder diffraction
ESS-Eurpean conference,
Bonn, 15.Mai-17.Mai 2002

Poster
Wolter, A.U.B., Klauss, H.-H., Süllow, S., Litterst, F. J., Wzietek, P., Jérome, D., Feyerherm, R.:
A microscopic Study of $[PMCu(NO_3)_2(H_2O)_2]_n$: a S = ½ Heisenberg Chain with a Field Induced Excitation Gap
International Conference on Molecule-based Magnets, ICMM 2002,
Valencia, 5.-10. October 2002

Invited
Argyriou, D. N.:
Orbital ordering and Dynamics in CMR Manganites
German Round Table on Orbital Physics, Hahn-Meitner-Institut,
Berlin, 30-31st October 2002.

Invited
Hernández-Velasco, J.
Estructuras Magnéticas de los Óxidos R_2BaCoO_5 (R=Tierra Rara).
Reunión Nacional de Usuarios de Técnicas de Neutrones,
San Sebastián, Spanien, 3-4 Oktober 2002

Invited
Prokeš K.;
Studies of magnetic structures using neutron diffraction
Colloquium Experimental methods in X-ray and neutron structure analysis,
Ostravice, The Czech Republic, June 20th, 2002

Oral
Feyerherm, R.:
Magnetismus in molekularen Magneten
Deutsche Neutronenstreutagung 2002,
Bonn, 16.05.2002

Oral
Prokeš K. et al.;
Neutron diffraction studies of U_2Pd_2In single crystal in fields up to 17T
Czech satellite meeting of the ESS European Conference,
Bonn, May 15th, 2002

Poster
Fritzsche, H.; Bonn, S.; Hauschild, J.; Klenke, J.; Prokeš, K.;McIntyre, G.;
Antiferromagnetic order of thin epitaxial Cr layers in an Fe/Cr(110) multilayer
ESS European Conference, German Satellite Meeting, 15 May 2002,
Bonn, poster D13

Poster
Prokeš K. et al.;
Overview of Neutron Experiments Done at HMI in Recent Years,
International Workshop on Research Opportunities in Condensed Matter and Life Sciences at High Magnetic Fields,
Potsdam, January 10, 2002

SF2.Thin films

Invited
Holub-Krappe, E.:
Spin Reorientation Transition in Magnetic Thin Layers
6th Int. School and Symp. on Synchrotron Radiation in Natural Sciences, ISSRNS'2002,
Ustron-Jaszowiec, Poland, 17.-22. 06.2002

Invited
Holub-Krappe, E.:
Spin Reorientation Transition in Thin Magnetic Films
Workshop on New Methods of Low-Dimensional Structures Characterization VUV and X-Ray Free Electron Lasers, LDSC-FEL 2002,
Warsaw, Poland, 15-17.11.2002

Oral
Goering, E., Geissler, J., Gold, S., Schütz, G., Schmitz, D., Maletta, H.:
Determination of the Co magnetization profile of a single Co layer using x-ray resonant reflectivity
47th Annual Conf. on Magnetism & Magnetic Materials (MMM 2002),
Tampa, Florida / USA : 11.-15. Nov. 2002

Oral
Removic-Langer, K., Hunter Dunn, J., Langer, J., Arvanitis, D., Maletta, H., Holub-Krappe, E.:
Temperature dependence of the Spin and Orbital Moments in a Thin Co Layer in Au/Co/Au(111) across the spin-reorientation transition
EMRS spring meeting,
Strasbourg, 18.-21. Juni 2002

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Selected oral Contribution
Czerski, K.; Schiwietz , G.; Roth, M.; Staufenbiel, F.; Grande, P.; Bhattacharyya, S.:
Indications for Non-Equilibrium Sputtering of BeO Films Irradiated by Swift Heavy Ions
Symposium on Ion Implantation and Other Application of Ions and Electrons,
Kazimierz Dolny (Poland), 10.-13.6.2002

Selected Oral Contribution
Schiwietz, G.; Roth, M.; Czerski, K.; Staufenbiel, F.; Rösler, M.; Grande, P. L.:
Spectroscopy of Si-Auger Electrons from the Center of Heavy-Ion Tracks
5th International Symposium on Swift Heavy Ions in Matter (SHIM 02),
Taormina (Italy), 22.-25.5.2002

Invited Talk
Stolterfoht, N.; Sulik, B.; Gulyàs, L.; Skogvall, B.; Chesnel, J. Y.; Frémont, F.; Hennecart, D.; Audoui, L.; Cassimi, A.; Hossain, S.; Tanis, J. A.:
Young Type Interferences in the Electron Emission from H_2 by Fast Ion Impact
International Workshop on Atomic Physics,
Dresden (Germany), 9.-13.12.2002

Lecture
Klaumünzer, S.:
Wellen, Risse und Lamellen: Selbstorganisationsphänomene unter Hochenergiebestrahlung
Ionenstrahl-Meeting,
Universität Stuttgart (Germany), 25.-26.11.2002

Lecture
Klaumünzer, S.:
Die Ionenspur als elastische Inklusion
Ionenstrahltreffen,
Universität Göttingen (Germany), 29.-30.4.2002

Oral Contribution
Roth, M.; Czerski, K.; Grande, P. L.; Rösler, M.; Schiewietz, G.; Staufenbiel, F.:
Kernspureffekte bei der Silicium Augeremission
FSI 2002,
Bonn (Germany), 30.9-2.10.2002

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Petrov, A.; Fink, D.; Müller, M.; Wilhelm, M.; Fahrner, W.; Berdinsky, A.:
Formation of Nanoscale Structures by Swift Heavy Ion Track Technology
Intern. Workshop on Nanostructures for Electronics and Optics (NEOP),
Dresden (Germany), 6.-9.10.2002

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Pfandzelter, R.; Winter, H.; Urazgildin, I. F.; Rösler, M.
Ionen-induzierte Emission Spin-polarisierter Elektronen von ferromagnetischen Fe(100)-Oberflächen
Frühjahrstagung DPG,
Regensburg (Germany), 11.-15.3.2002

Local structures

Invited Talk
Bertschat, H. H.:
Surface and Interface Magnetism Observed with Radioactive Nuclei
RIKEN Symposion: Condensed Matter Studies with Radioactive Beams,
RIKEN Campus, Wako (Japan), 21.-22.2.2002

Invited Talk
Zeitz, W.-D.:
Implantation of Boron into silicon Germanium Mixed Crystals: Investigation by the ß-NMR Method

RIKEN Symposion: Condensed Matter Studies with Radioactive Beams,
RIKEN Campus, Wako (Japan), 21.-22.2.2002

Oral Contribution
Bertschat, H. H.; Potzger, K.; Weber, A.; Zeitz, W.-D.; Dietrich, M.:
Surface and Interface Magnetism Investigated with Radioactive Probes at Ni/Pd Systems
17th International Colloquium on Magnetic Films and Surfaces (ICMFD 2002),
Kyoto (Japan), 5.-8.3.2002

Oral Contribution
Haas, H.:
5d-Impurities in Fe, Co, Ni: Magnetism and Structure
47th Annual Conference on Magnetism and Magnetic Materials,
Tampa, Florida (USA), 11.-15.11.2002

Oral Contribution
Koteski, V.; Ivanovic, N.; Haas, H.; Holub-Krappe, E.; Mahnke, H.-E.:
Lattice Relaxation around Impurity Atoms in Semiconductors - Arsenic in Si - a Comparison between Experiment and Theory
E-MRS 2002, Spring Meeting,
Strasbourg (France),18.-21.6.2002

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Koteski, V.; Haas, H.; Ivanovic, N.; Holub-Krappe, E.; Mahnke, H.-E.:
Bond Lengths in $Cd_{1-x}Zn_xTe$ beyond Linear Laws
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Regensburg (Germany), 11.-15.3.2002

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Koteski, V.; Haas, H.; Holub-Krappe, E.; Ivanovic, N.; Mahnke, H.-E.:
Bond Lengths in $Cd_{1-x}Zn_xTe$ beyond Linear Laws
E-MRS 2002, Fall Meeting,
Zakopane (Poland), 13.-18.10.2002

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5d/6sp-Fremdatome in Fe, Co, Ni: Magnetismus und Struktur
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Bonn (Germany), 30.9.-2.10.2002

Oral Contribution
Dietrich, M.; Zeitz, W.-D.:
PAC-Messungen mit Seltenen Erden
Arbeitstreffen „Forschung mit nuklearen Sonden und Ionenstrahlen,
Bonn (Germany), 30.9.-2.10.2002

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Koteski, V.; Haas, H.; Holub-Krappe, E.; Ivanovic, N.; Mahnke, H.-E.:
Lattice Relaxation around Impurity Atoms in Semiconductors - Arsenic in Si - a Comparison between Experiment and Theory
40. Workshop Pointdefect,
TU Dresden (Germany), 28.2.-1.3.2002

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Koteski, V.; Haas, H.; Holub-Krappe, E.; Mahnke, H.-E.; Lany, St.; Wolf, H.:
As Acceptors in CdTe: Experimental Test of ab initio Calculations of Lattice Relaxation
Arbeitstreffen Forschung mit nuklearen Sonden und Ionenstrahlen FSI 2002
Bonn (Germany), 30.9.-2.10.2002

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Bertschat, H. H.; Potzger, K.; Weber, A.; Zeitz, W.-D.; Dietrich, M.:
Surface and Interface Magnetism on an Atomic Scale
269. WE-Heraeus-Seminar: "Magnetism on the Sub-Micrometer Scale: Interactions and Microscopy",
Bad Honnef (Germany), 7.-9.1.2002

SF5 – Theoretical Physics

Soft Matter

Plenar
Franosch, T.:
Structural relaxation of a dumbell solute
Unifying Concepts in Glass Physics,
ROMA 2002, Italy, 27.2.-2.3.2002

Plenar
Frey, E.:
Physics of biopolymers and biopolymer networks
Disordered systems at low temperatures and their topological properties,
Helsinki, Finland, 17. - 20. 1. 2002

Plenar
Frey, E.:
Statistical mechanics of semiflexible polymers
Heraeus Seminar on "Micro to macromechanics of hierarchical living materials and technical structures,
Bad Honnef, Germany, 25. - 28. 3. 2002

Plenar
Frey, E.:
Phase behaviour of colloids in periodic potentials
5th Liquid matter conference,
Konstanz, Germany, 14. - 18. 9. 2002

Plenar
Gross, D.H.E.:
Geometric foundation of thermostatistics, phase transitions, Second law of thermodynamics but without thermodynamic limit
Les Houches 2002, Dynamics and Thermodynamics of Systems with Long Range Interactions,
Les Houches, France, 18.-22.2.2002

Plenar
Gross, D.H.E.:
BUU calculation of early fragmentation
Orsay - GSI Workshop on Nuclear Multifragmentation - A High-Density Phenomenon,

Orsay, France, 25.-26.4.2002

Plenar
Gross, D.H.E.:
Microcanonical Clustering of Selfgravitating and Rotating Systems
CRIS2002 - 4th Catania Relativistic Ion Studies, Exotic Clustering,
Catania, Italy, 10.-14.6.2002

Plenar
Gross, D.H.E.:
The Second Law of Thermodynamics in Small systems
279. WE-Heraeus-Seminar, Formation of Correlations, Nonequilibrium Physics at Short time Scales VII,
Bad Honnef, Germany, 24.-28.6.2002

Plenar
Gross, D.H.E.:
The topology of the micro-canonical *S*(*E,N,...*) Second Law without thermodynamic limit
First International Conference on Quantum Limits to the Second Law, University of San Diego,
San Diego, California, USA, 29.-31.7.2002

Plenar
Gross, D.H.E.:
Microscopic foundation of Thermo-Statistics
XXVI International Workshop on Condensed Matter Theories,
Luso, Portugal, 2.-7.9.2002

Oral
Benetatos, P.:
Plasticity in current-driven vortex lattices
Annual American Physical Society Meeting,
Indianapolis, USA, 21.3.2002

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Benetatos, P.:
Depinning of semiflexible polymers in (1+1) dimensions
88th Statistical Mechanics Conference, Rutgers University,
New Jersey, USA, 15.-17.12.2002

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Gross, D.H.E.:
Geometric Foundation of Thermo-Statistics, Phase Transitions, Second Law of Thermodynamics, but without Thermodynamic Limit
27th Conference of the Middle European Cooperation in Statistical Physics,
Sopron, Hungary 7.-9.3. 2002

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Santos, J.E.; Schütz, G.M.:
Non-equilibrium tube length fluctuations of entangled polymers
Workshop "*Dynamics of Biological Systems - From Molecules to Networks",*
Krogerup Hojskole, Denmark, 10.-17.8.2002

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Benetatos, P.:
Plasticity in driven vortex lattices in type-II superconductors
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Bad Honnef, Germany, 25.-28.3.2002

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Franosch, T.:
Shear response of a smectic film stabilized by an external field
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Bad Honnef, Germany, 24.-28.3.2002

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Franosch, T.:
Completely monotone solutions of the mode-coupling theory for multi-component mixtures
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Pisa, Italy, 22.-27.9.2002

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Kroy, K.:
Weak gelation in colloidal suspensions with short-ranged attractions
Faraday Discussion 123, "*Non-equilibrium behavior of colloidal dispersions*",
Edinburgh, Scotland, UK, 9.-11.9.2002

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Clustering phenomena in the micro-canonical ensemble
Symposium des Sfb 555 "Komplexe nichtlineare Prozesse", Fritz Haber Institut,
Berlin, 8.11.2002

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Vollmonotone Lösungen der Modenkopplungstheorie
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Non-equilibrium behavior at a liquid gas critical point
Posterbeitrag DY 46.42, Frühjahrstagung des Arbeitskreises Festkörperphysik der DPG,
Regensburg, Germany, 11.-15.3.2002

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Fritsch, W.; Lux-Steiner, M.; Rumberg, A.; Rusu, M.; Schedel-Niedrig, Th.; Wiesner, S.:
Fluid dynamics simulations for a CVD reactor for thin-film solar cells
3rd International Workshop on Challenges in Predictive Process Simulation,
Prague, CZ, 13.-17.10.2002

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Eichler, J.:
Radiative electron capture and the photoelectric effect in hydrogen-like high-Z systems
International Workshop on Atomic Physics Researches at Storage Rings,
Lanzhou, China, 14.-18.8.2002

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Artemyev, A.N.; Beier, T.; Eichler, J.; Klasnikov, A.E.; Kozhuharov, C.; Shabaev, V.M.; Stöhlker, T.; Yerokhin, V.A.:
Negative-continuum dielectronic recombination for heavy atoms
Workshop on Atomic Physics Research at the Future GSI Facility, GSI
Darmstadt, 9.-11.12. 2002

Poster
Chen, W.; Liu, Q.K.K.; Schumacher, G.:
Texture evolution during crystallization of thin amorphous films
Fall Meeting 2002, Material Research Society,
Boston, USA, 2.-6.12.2002

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Eichler, J.; Ichihara, A.:
Polarization of photons emitted in radiative electron capture by bare high-Z ions
Workshop on Atomic Physics Research at the Future GSI Facility, GSI
Darmstadt, 9.-11.12. 2002

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Fröbrich, P.; Kuntz, P.J.; Saber, M.:
Many-body Green's function theory for thin ferromagnetic films: exact treatment of the single-ion anisotropy
281. WE-Heraeus Seminar: *Magnetic Systems with Reduced Dimensions*,
Wandlitz, Germany, 12.-15.6.2002

Biological Physics and Complex Systems

Plenar
Falcke, M.:
Nucleation oscillations of intracellular calcium dynamics
Conference *"Fronts, fluctuations and growth",*
Michigan Center for Theoretical Physics,
Ann Arbor, Michigan, USA, 20.-25.5.2002

Plenar
Falcke, M.:
The role of fluctuations in intracellular Ca^{2+} dynamics
Workshop "*Methods of modelling large and complex chemical systems"*,
Odense, Denmark, 30.5.-2.6.2002

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Falcke, M.:
Building a Calcium Wave
5th ESCMTB Conference "*Mathematical Modelling and Computing in Biology and Medecine*",
Milano, Italy, 2.-6.7.2002

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Falcke, M.:
The role of fluctuations in intracellular Ca^{2+} dynamics
Bioinformatics Workshop of Boston University and Humboldt University,
Boston, MA, USA, 23.-27.7.2002

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Frey, E.:
Dynamics of biological systems: From molecules to networks
Nordita Workshop "Physics of cells",
Krogerup Hojskole, Denmark, 10. - 17. 8. 2002

Plenar
Lattanzi, G.:
Application of coarse grained models to the analysis of macromolecular structures
CMS2002, Computation Materials Science Workshop,
Villasimius, Sardinia, Italy, 25.9.2002

Plenar
Lattanzi, G.:
Coarse grained models: the Kinetics of motor proteins
CMS2002, Computation Materials Science Workshop,
Villasimius, Sardinia, Italy, 27.9.2002

Plenar
Parmeggiani, A.:
Traffic jam on molecular highways
Symposium „*Collective phenomena in biological systems"*,
Jülich, Germany, 2.10.2002

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Parmeggiani, A.; Franosch, T.; Frey, E.:
Phase coexistence in one dimensional collective transport
„Slow dynamics in soft matter", Royal Society,
London, UK, 25.-26.9.2002

Poster
Lattanzi, G.:
Elastic properties of proteins: insight on the folding process and evolutionary selection of native structures
Workshop *"Dynamics of Biological Systems",*
Humlebaek, Denmark, 15.8.2002

Poster
Lattanzi, G.:
Force Dependent Transition Rates in Chemical Kinetics Models for Motor Proteins
273. WE-Hereaus Seminar „*Micro to macromechanics of hierarchical living materials and technical structures*,
Bad-Honnef, Germany, 25.-28.3.2002

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Force Dependent Transition Rates in Chemical Kinetics Models for Motor Proteins
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Force Dependent Transition Rates in Chemical Kinetics Models for Motor Proteins
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Humlebaek, Denmark,15. 8.2002

Poster
Parmeggiani, A.; Jülicher F.; Peliti, L.; Prost, J.:
Theoretical description of molecular motors processivity
273. WE-Hereaus Seminar „*Micro to macromechanics of hierarchical living materials and technical structures*, Bad-Honnef, Germany, 25.-28.3.2002

Oral
Parmeggiani, A.:
Processive behavior of molecular motors under tangential loading
Symposium „*Physik biologischer Materie*",
Regensburg, Germany, 12.3.2002

SF6 – Trace Elements

Analysis of Trace Elements...

Plenar
Behne, D.; Alber, D.; Kyriakopoulos A.:
Selenium research in mammals using nuclear analytical methods and related techniques in conjunction with biochemical and molecular biological procedures
7th International Conference on Nuclear Analytical Methods in the Life Sciences,
Antalya, Turkey, 16.-21.06.2002

Oral
Kühbacher, M.; Weseloh, G.:
Identifizierung von Metalloproteinen
HASYLAB users' meeting 2002 "Research with Synchrotron Radiation" - satellite meeting "X-Ray Fluorescence and Applications at Beamline L",
Hamburg, 24.01.2002

Poster
Kühbacher, M.; Weseloh, G.; Thomzig, A.; Kneipp, J.; Beekes, M.; Falkenberg, G.; Radtke, M.; Riesemeier, H.; Kyriakopoulos, A.; Behne, D.:
Analysis and localization of metal- and metalloid-containing proteins by synchrotron-radiation X-ray fluorescence
European Conference on Energy Dispersive X-Ray Spectrometry,
Berlin, 16.-21.06.2002

Poster
Kühbacher, M.; Weseloh, G.; Knöchel, A.; Kyriakopoulos, A.; Behne, D.:
Identification of metalloproteins by SYXRF
HASYLAB users' meeting 2002 "Research with Synchrotron Radiation",
Hamburg, 25.01.2002

Poster
Kühbacher, M.; Weseloh, G.; Bertelsmann, H.; Hoppe, B.; Radtke, M.; Riesemeier, H.; Kyriakopoulos, A.; Behne, D.:
Analysis of metal- and metalloid-containing proteins by synchrotron-radiation X-ray fluorescence
BESSY Users` Meeting,
Berlin, 05.-06.12.2002

Poster
Richarz, A.; Wolf, C.; Brätter, P.; Schaumlöffel, D.; Prange, A.:
CZE-ICP-MS separation of metallothioneins in human brain: Orthogonal approach for separation and identification of native human metallothionein-3
2002 Winter Conference on Plasma Spectrochemistry,
Scottsdale, USA, 06.-12.01.2002

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Weseloh, G.; Kühbacher, M.; Kyriaklopoulos, A.; Wolf, C.; Knöchel, A.; Behne, D.:
Analysis of metal-containing proteins by gel electrophoresis and subsequent synchrotron radiation X-ray fluorescence
7th International Conference on Nuclear Analytical Methods in the Life Sciences,
Antalya, Turkey, 16.-21.06.2002

Poster
Wolf, C.; Richarz, A.; Brätter, P.; Schaumlöffel, D.; Prange, A.:
CZE-ICP-MS separation of metallothioneins in human brain: Comparability of electropherograms with different sample matrices
2002 Winter Conference on Plasma Spectrochemistrxy,
Scottsdale, USA, 06.-12.01.2002

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Behne, D.; Kyriakopoulos, A.; Alber, D.:
Untersuchung von Metallo- und Metalloidproteinen durch Kombination von elementanalytischen, biochemischen und molekularbiologischen Methoden
Berliner Herbsttagung "Metalloproteine und Metalloidproteine",
Berlin, 28.-29.11.2002

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Kühbacher, M.;Weseloh, G.; Kyriakopoulos, A.; Behne, D.:
Untersuchungen von Metallo- und Metalloidproteinen in biologischen Proben mit Hilfe der Synchrotron-Röntgenfluoreszenzanalyse SRXRF
Berliner Herbsttagung "Metalloproteine und Metalloidproteine",
Berlin, 28.-29.11.2002

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Richarz, A.; Wolf, C.; Brätter, P.:
Auftrennung von Metallothionein-Isoformen aus Zellcytosolen: Ein Methodenvergleich

Berliner Herbsttagung “Metalloproteine und Metalloidproteine“,
Berlin, 28.-29.11.2002

Poster
Alber, D.; Bukalis, G.; Gatschke, W.; Kyriakopoulos, A.; Behne, D.:
NAA-laboratory and irradiation service at BER II for trace element analysis.
Berliner Herbsttagung “Metalloproteine und Metalloidproteine“,
Berlin, 28.-29.11.2002

Poster
Weseloh, G.; Kühbacher, M.; Bertelsmann, H.; Özaslan, M.; Kyriaklopoulos, A.; Knöchel, A.; Behne, D.:
Detection of metalloproteins by gel electrophoresis and subsequent synchrotron-radiation X-ray fluorescence analysis
Berliner Herbsttagung “Metalloproteine und Metalloidproteine“,
Berlin, 28.-29.11.2002

Poster
Wolf, C.; Rösick, U.; Brätter, P.:
Sampling and processing of biopsy samples for speciation studies of cytosolic metalloproteins.
Berliner Herbsttagung “Metalloproteine und Metalloidproteine“,
Berlin, 28.-29.11.2002

Selenoproteins and Metalloproteins

Oral
Behne, D.; Kyriakopoulos A.:
Novel mammalian selenoproteins: identification and studies on their characteristics and functions.
11th International Symposium on Trace Elements in Man and Animals,
Berkeley, USA, 02.-06.06.2002

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Kyriakopoulos,A.; Behne D.:
Identification of selenoproteins in the kidney of the rat by combination of different electroseparation methods.
13th International Symposium on Electroseparation Techniques. Isotachophoresis,
Helsinki, Finland, 01.-04.10..2002

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Behne, D.; Kyriakopoulos A.:
Selenium and selenoproteins in the mammalian Organism
1st Regional Conference on Trace Elements in Africa,
Nairobi, Kenya, 27.-28.03.2002

Plenar
Kyriakopoulos, A., Behne, D.:
Selenium-containing proteins in eucaryotes: A new protein family
21st Workshop “Macro and Trace Elements”,
Jena, 18.-19.10.2002

Poster
Kyriakopoulos, A.; Hoppe, B.; Kühbacher, M.; Bertelsmann, H.; Graebert, A.; Behne, D.:
Antioxidant selenoenzymes protect biomembrans which are important for the signal transduction
European Conference “Oxidative stress and cellular signalisation”
Luxembourg, 30.01.-02.02.2002

Poster
Kyriakopoulos, A.; Hoppe, B.; Alber, D.; Graebert, A.; Bertelsmann, H.; Behne, D.:
Detection of selenoproteins in the microsomal fraction of the rat kidney by combination of nuclear activation analysis, tracer techniques and biochemical methods
7th International Conference on Nuclear Analytical Methods in the Life Sciences,
Antalya, Turkey, 16.-21.06.2002

Poster
Savaskan, N. E.; Bräuer, A. U.; Kühbacher, M.; Kyriakopoulos, A.; Behne, D.; Ninnemann, O.; Nitsch, R.:
Increased cell death in selenium deficient rats following glutamate-induced excitotoxicity
3rd Forum of European Neuroscience,
Paris, 13.-17.07.2002

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Kyriakopoulos,A.; Behne D.:
Selenoproteine in Redoxprozessen
6. Jahrestagung der Deutschen Gesellschaft für Signaltransduktion (DGST) “Signaltransduktion und Apoptose,
Weimar, 07.-09.11.2002

Oral
Bertelsmann, H.; Kyriakopoulos,A.; Behne D.:
Untersuchungen zur Verteilung von Selen und Selenoproteinen im männlichen Reproduktionssystem verschiedener Tierspezies
Berliner Herbsttagung “Metalloproteine und Metalloidproteine“,
Berlin, 28.-29.11.2002

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Kyriakopoulos, A., Behne, D.:
Expression of selenium-containing proteins in rat kidney
18. Jahrestagung der Gesellschaft für Mineralstoffe und Spurenelemente “Signalwirkung von Mineralstoffen und Spurenelementen”,
Stuttgart, 11.-12.10.2002

Poster
Kyriakopoulos, A.; Hoppe, B.; Kühbacher, M.; Bertelsmann, H.; Graebert, A.; Behne, D.:
Distribution of selenoproteins in the human neuronal cell line HT 22
Jahrestagung der Vereinigung für Allgemeine und Angewandte Mikrobiologie,
Göttingen, 24.-27.03.2002

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Kyriakopoulos, A.; Hoppe, B.; Alber, D.; Graebert, A.; Kühbacher, M.; Behne, D.:
Selenoproteins in the perinuclear structures of rat kidney
Herbsttagung der Gesellschaft für Biologie und Medizin, Universtität
Halle, 07.-10.09.2002

Poster
Kyriakopoulos, A.; Hoppe, B.; Alber, D.; Graebert, A.; Kühbacher, M.; Weseloh, G.; Behne, D.:
Characterization of selenoproteins in the endoplasmatic reticulum of the rat kidney by combination of radioanalytical techniques and biochemical methods
Berliner Herbsttagung "Metalloproteine und Metalloidproteine",
Berlin, 28.-29.11.2002

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Hoppe, B.; Kyriakopoulos, A.; Behne, D.:
Studies on selenium-containing proteins in the brain of the rat and in neuronal cells HT 22
Berliner Herbsttagung "Metalloproteine und Metalloidproteine",
Berlin, 28.-29.11.2002

Poster
Schäfer, K.; Kyriakopoulos, A.; Gessner, H.; Grune, T.; Behne, D.:
Selenium deficiency affects antioxidant defense and phospholipid fatty acid metabolism in rats fed fish oil-enriched diets
Berliner Herbsttagung "Metalloproteine und Metalloidproteine",
Berlin, 28.-29.11.2002

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Kühbacher, M.; Weseloh, G.; Thomzig, A.; Kneipp, J.; Falkenberg, G.; Radtke, M.; Riesemeier, H.; Beekes, M.; Kyriakopoulos, A.; Behne, D.:
Untersuchungen von Metallo- und Metalloidproteinen im männlichen Reproduktionssystem und Gehirn mit Hilfe der Synchrotron-Röntgenfluoreszenzanalyse SRXRF
Berliner Herbsttagung "Metalloproteine und Metalloidproteine",
Berlin, 28.-29.11.2002

Clinical Applications

Oral
Savaskan, N. E.; Bräuer, A. U.; Behne, D.; Ninnemann, O.; Nitsch, R.:
Selenium-deficiency potentiates glutamate-induced cell death
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Paris, France, 13.–17.07.2002

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Bräuer, A. U.; Savaskan, N. E.; Ninnemann, O.; Kyriakopoulos, A.; Behne, D.; Nitsch, R.:
Regional and cellular distribution of selenoproteins in the hippocampus
European Society for Neuroscience,
Paris, France, 13.–17.07.2002

Plenar
Brätter, P.; Richarz, A.:
Metalloproteins in human brain diseases
3rd International Meeting "Advances in Trace Elements, Minerals and Vitamins in Human: Fundamental and Clinical Aspects
Monastir, Tunesia, 10.-13.04.2002

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Savaskan, N. E.; Bräuer, A. U.; Kühbacher, M.; Kyriakopoulos, A.; Ninnemann, O.; Behne, D.; Nitsch, R.:
Selenium in the brain and its role in glutamate-induced excitotoxicity
Berliner Herbsttagung "Metalloproteine und Metalloidproteine",
Berlin, 28.-29.11.2002

Plenar
Brätter, P.; Richarz, A.; Wolf, C.:
Metalloproteine in der Diagnostik
18. Jahrestagung der Gesellschaft für Mineralstoffe und Spurenelemente "Signalwirkung von Mineralstoffen und Spurenelementen",
Stuttgart, 11.-12.10.2002

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Richarz, A.; Wolf, C.; Brätter, P.:
Organspezifische Elementbindungsmuster in humanen Gewebecytosolen
18. Jahrestagung der Gesellschaft für Mineralstoffe und Spurenelemente "Signalwirkung von Mineralstoffen und Spurenelementen",
Stuttgart, 11.-12.10.2002

SF7 – Nuclear Measurement Techniques

ERDA and Nuclear Spectroscopy

Invited
von Oertzen, W.
Nuclear Clusters and Covalently bound nuclear molecules
VII School Seminar on Heavy Ion Physics,
Dubna (RU), May 27-June 1th, 2002

Invited
von Oertzen, W.
Nuclear Clusters and Covalently bound nuclear molecules
284th WE-Heraeus Seminar,
Rauischholzhausen (D), From light Exotic to Superheavy Nuclei
August 5-9, 2002

Invited
von Oertzen, W.
Enhanced Neutron Pair Transfer in the System 118Sn+206Pb
Nuclear Structure NS2002, Legnaro (I), 2002,
September 23-27

Invited

von Oertzen, W.
Nuclear Rainbows and the EOS of cold nuclear Matter
International Symposium on Physics of instable, Nuclei, Halong Bay (Vietnam), November 20-25

Development of ...neutron detectors

Invited
Gebauer, B.;
"Detector requirements for the European spallation neutron source ESS"
SPIE's 47th Annual Meeting
Seattle, USA,07.07. – 11.07.02

Schulz, Ch.; Gebauer, B.; Richter, G.; Namaschk, B.; Balykov, L.N.; Levchanovski, F.V; Nikiforov, A.; Shaskin, V.I.; Klimov, A.Yu.; Rogov, V.V.
Development of hybrid MSGC detectors with high position and time-of-flight resolution for neutron scattering experiments at ESS
SPIE's 47th Annual Meeting
Seattle, USA, July 7-11, 2002

Gebauer, B.
Development of very high resolution and fast hybrid 2D-micro-strip gas chamber detectors for ESS
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Harneit, W.:
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275. WE-Heraeus workshop: Quantum Computation,
Bad Honnef (D), 13-16 May 2002

Invited
Harneit, W.:
Endohedrale Fullerene für Quantencomputing
4. Tag der Fullerene,
Dresden (D), 8 November 2002

Oral
Weidinger, A.:
Leitende Ionenspuren als Bauteile für elektronische Bauelemente
Ionenstrahl-Meeting, MPI Stuttgart,
Stuttgart (D), 24-26 November 2002

Oral
Weidinger, A.:
Ionenspur-Nanotechnologie
Arbeitstreffen „Forschung mit nuklearen Sonden und Ionenstrahlen“,
Bonn (D), 30 September - 2 October 2002

Oral
Weidinger, A.; Zollondz, J.-H.; Krauser, J.; Trautmann, C.; Schultrich, B.; Hofsäß, H.: Conducting ion tracks in diamond-like carbon films for field emission
Arbeitstreffen „Forschung mit nuklearen Sonden und Ionenstrahlen“,
Bonn (D), 30 September - 2 October 2002

Poster
Meyer, C.:
Towards a molecular electron-spin quantum computer
275. WE-Heraeus workshop: Quantum Computation,
Bad Honnef (D), 13-16 May 2002

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Meyer, C.; Harneit, W.; Lips, K.; Mertesacker, B.; Döring, R.; Weidinger, A.:
First steps towards a molecular electron-spin quantum computer
Deutsche Physikerinnentagung 2002,
Tübingen, 7-10 November 2002

Analytics

Oral
Fischer, Ch.-H.:
The CISSY project
CISSY-Workshop,
Berlin, Germany, 12.12.2002

Oral
Lauermann, I.:
First CISSY results (1)
CISSY-Workshop,
Berlin, Germany, 12.12.2002

Oral
Kötschau, I.:
First CISSY results (2)
CISSY-Workshop,
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Oral
Bär, M.; Muffler, H.-J.; Bloeck, U.; Giersig, M.; Glatzel,T.; Sadewasser, S.; Lux-Steiner, M. Ch.; Fischer, C.-H.;Weinhardt, L.; Heske, C.; Umbach, E.; Niesen, T. P.; Karg, F.:
Surface Modification of Cu(In,Ga)(S,Se)$_2$ Absorbers by Cd^{2+}-Treatment: Characterization, Effects and Impacts on ILGAR-ZnO WEL Devices
PV in Europe Conference and Exhibition,
Rome, Italy, 7.-11.10. 2002

Oral
Glatzel, Th.; Sadewasser, S.; Lux-Steiner, M. Ch.:
Kelvin Probe Force Microscopy for the Nano Scale Characterization of Chalcopyrite Solar Cell Materials and Devices
European Materials Research Society (EMRS) spring meeting,
Strasbourg, France, 18-.21.6.2002

Oral
Glatzel, Th.; Sadewasser, S.; Shikler, R.; Rosenwaks, Y.; Lux-Steiner, M. Ch.:
Kelvin Probe Force Microscopy on III-V Semiconductors: The Effect of Surface Defects on the Local Work Function
European Materials Research Society (EMRS) spring meeting,
Strasbourg, France, 18-.21.6.2002

Oral
Glatzel, Th.; Sadewasser, S.; Lux-Steiner, M. Ch.:
Amplitude or Frequency Modulation – Detection in Kelvin Probe Force Microscopy
5th International Conference on Noncontact Atomic Force Microscopy (NC-AFM 2002),
Montreal, Canada, 11.-14.8.2002

Poster
Porti, M.; Nafria, M.; Blüm, M. C.; Aymerich, X.; Sadewasser, S.:
Atomic Force Microscope Topographical Artifacts after the Dielectric Breakdown of Ultrathin SiO_2 Films
7th International Conference on Nanometer-scale Science Technology (NANO-7) and 21st European Conference on Surface Science (ECOSS-21),
Malmö, Sweden, 24.-28. 6. 2002

Poster
Powalla, M.; Siebentritt, S.; Luck, I.; Sadewasser, S.; Rau, U.; Reineke-Koch, R.; Strunk, H.; Klein, A.; Parisi, J.; Bauer, G. H.:
A Research Network for the Investigation of Wide Gap Chalcopyrite Solar Cells
European Materials Research Society (EMRS) spring meeting,
Strasbourg, France, 18-.21.6.2002

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Kelvin Probe Force Microscopy for the Nano Scale Characterization of Chalcopyrite Solar Cell Materials and Devices

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Strasbourg, France, 18-.21.6.2002

Oral
Sadewasser, S.; Glatzel, Th.; Shikler, R.; Rosenwaks, Y.; Lux-Steiner, M. Ch.:
Resolution of Kelvin Probe Force Microscopy in Ultrahigh Vacuum: Comparison of Experiment and Simulation
5th International Conference on Noncontact Atomic Force Microscopy (NC-AFM 2002),
Montreal, Canada, 11.-14.8.2002

Oral
Sadewasser, S.; Glatzel, Th.; Ishii, K.; Lux-Steiner, M. Ch:.
Electronic Surface Properties of Ultrahigh Vacuum Grown Polycrystalline $CuGaSe_2$
International Conference on Polycrystalline Semiconductors (POLYSE 2002),
Nara, Japan, 10.-13.11.2002

Invited
Sadewasser, S.:
Interfaces and Surfaces in Chalcopyrite Solar Cells
Hochspannungsworkshop,
Triberg, Germany, 1.-2.10.2002

SE3 – Technology

Monolithicaly Integrated Test Moduls

Oral
Antonaia A., Adonizio M. L., Luck I.
Influence of the i-ZnO deposition conditions on the CIS based solar cell performance
Technology to Energy Solutions Conference and Exhibition,
Rome, Italy, 7.-11.10.2002,

Oral
Alvarez-García J., Rudigier E., Barcones B., Scheer R., Pérez-Rodríguez A., Romano-Rodríguez A., Morante J. R.
Growth process monitoring and cristalline quality assessment of $CuInS(Se)_2$ based solar cells by Raman spectroscopy
E-MRS (European Materials Research Society),
Strasbourg, France, 2002

Oral
Klaer J., Luck I., Boden A., Klenk R., Gavilanes Pérez I., Scheer R.
Mini-modules from a $CuInS_2$ thin-film technology
PV in Europe, From PV Technology to Energy Solutions; Conference and Exhibition,
Rome, Italy, 7.-11.10.2002

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Scheer R. , Pietzker, Ch. , Rudigier E. , Djordjevic J.,
In-situ studies on the formation of chalcopyrite thin films
E-MRS (European Materials Research Society),
Strasbourg, France, 2002

Oral
Scheer R. , Gartsmann K. , Cahen C.
Two dimensional junction patterning by electric field application
E-MRS (European Materials Research Society),
Strasbourg, France, 2002

Poster
Djordjevic J., Pietzker C., Scheer R.
In-situ XRD study of mixed $CuInSe_2$-$CuInS_2$ formation
13th International Conference on Ternary and Multinary Compounds,
Paris, France, 14-18th October 2002

Poster
Rudigier R., Pietzker C., Wimbor M., Luck I., Klaer J., Scheer R., Barcones B., Jawhari T., Colin, Alvarez-Garcia J., Perez-Rodriguez A., Romano-Rodriguez A.
Real-time investigations of the influence of sodium on the properties of Cu-poor prepared $CuInS_2$ thin films
E-MRS (European Materials Research Society),
Strasbourg, France, 2002

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Rudigier E., Alvarez-Garcia J., Luck I., Klaer J., Scheer R.
Quality assessment of chalcopyrite thin films using Raman spectroscopy
ICTMC (International Conference on Ternary and Multinary Compounds)
Paris, France, 2002,

SE4 – Dynamics of Interfacial Reactions

Preparation ... III-V-Solar Cells

oral, contributed
T. Hannappel
Fs-dynamics and energetics of III-V (100) interfaces with atomic scale preparation
14th Workshop on Quantum Solar Energy Conversion 2002
Rauris, Austria, 17. – 23. March, 2002

oral, contributed
K. Möller
In-situ Untersuchungen bei der Deoxidation von GaSb Substraten mit Refelxions Anisotropie Spektroskopie
DGKK-Arbeitskreistreffen Epitaxie von III/V-Halbleitern,
Magdeburg, 12. – 13. Dec. 2002

oral, contributed
K. Möller

Optische Kontrolle des MOCVD-Wachstums von Antimon-haltigen III/V-Halbleiterschichten,
Frühjahrstagung der DPG,
Regensburg, 11.-15.3.2002

oral, contributed
Z. Kollonitsch
In-situ und UHV Untersuchung von MOCVD-präparierten GaSb(100)-Oberflächen,
Frühjahrstagung der DPG,
Regensburg, 11.-15.3.2002

oral, contributed
Z. Kollonitsch
UHV-investigation on MOVPE-grown GaSb(100) surfaces, Proceedings of the 11th International Conference on Metal-Organic Vapour Phase
Epitaxy,
Berlin, 03.-07.06.2002

oral, contributed
K. Möller
Optical in-situ monitoring of GaSbX(100) film growth,
Proceedings of the 11th International Conference on Metal-Organic Vapour Phase Epitaxy,
Berlin, 03.-07.06.2002

oral, contributed
T. Hannappel
"MOVPE growth and optical in-situ monitoring of Sb-based semiconductors
5th International Conference on Mid-Infrared Optoelectronics Materials and Devices (MIOMD-V),
8 - 11 September 2002, Annapolis, Maryland, USA

oral, contributed
Z. Kollonitsch
Vergleich der p-Dotanden CBr4 und DTBSi in GaSb mit in-situ RAS,
DGKK-Arbeitskreistreffen Epitaxie von III/V-Halbleitern,
Magdeburg, 12.-13.12.2002

oral, contributed
Silke Felber
Soft preparation of crystalline indium and gallium phosphide from solution using single source precursors
Third International Conference on Inorganic Materials, 07-10. September 2002,
Konstanz, Germany

Poster
Z. Kollonitsch, K. Möller, T. Hannappel, F. Willig
UHV-investigation on MOVPE-grown GasB (100) surfaces
Proceedings of the 11th International Conference on Metalorganic Vapour Phase Epitaxy,
Berlin, 3.-7.6.2002

Poster
C. Agert, R. Beckert, A.W. Bett, F. Dimroth, M. Heuken, Ch. Giesen, M. Dauelsberg, T. Hannappel, Z. Kollonitsch, K. Möller, M. Seip, A. Greiling
Sb-based semiconductors for TPV application grown in an industrial sized MOVPE reactor
5th Conference on Thermophotovoltaic Generation of Electricity
15. 19.09.2002, Rome, Italy

Poster
C. Agert, A.W. Bett, F. Dimroth, M. Heuken, Ch. Giesen, M. Dauelsberg, T. Hannappel, Z. Kollonitsch, K. Möller, M. Seip, A. Greiling
MOVPE growth and optical in-situ monitoring of Sb-based semiconductors,
5th International Conference on Mid-Infrared Optoelectronics Materials and Devices (MIOMD-V),
8-11 September 2002, Annapolis, Maryland, USA

Poster
C. Giesen, M. Dauelsberg, M. Heuken, F. Dimroth, C. Agert, R. Beckert, A.W. Bett, A. Greiling, Z. Kollonitsch, K. Moeller, M. Seip, T. Hannappel
Sb-Based Semiconductors for TPV Application Grown in an industrial sized MOVPE Reactor
Materials Week 2002,
München, 30.09. – 02.10.2002

Poster
Silke Felber, Dino Tonti, Dirk Herrmann, Frank Willig
Preparation of indium phosphide layers by spray pyrolysis using an organometallic single source precursor
29th International Symposium on Compound Semiconductors,
07-10. Oktober 2002, Lausanne, Switzerland

Dynamics of Photovoltaic Processes

Plenary
F. Willig
Femtosecond electron transfer in electrochemistry
International Electrochem. Soc. (ISE),
Düsseldorf, Germany, 19. Sept. 2002

Plenary
F. Willig
The sequence of events in the dye-sensitized solar cell: From a few femtoseconds to several seconds
2. Gerisches Symposium,
Berlin, Germany, 26. June 2002

Plenary
F. Willig
Influence of vibrational wavepacket motion on ultrafast heterogeneous electron transfer
III-International Asian Photochemistry Conference,
Mumbai, India, 9. Jan. 2002

Invited
F. Willig
Influence of different anchor-cum-spacer groups on ultrafast photo-induced electron transfer at the surface of nano-structured TiO2
International Symposium Photochemistry,
Lund, Sweden, 25. Nov. 2002

Invited
F. Willig
Influence of different anchor groups on ultrafast electron injection in the dye-sensitized solar cell

14. Internat. Conf. Photochem. Conv. Storage of Solar Enery (IPS-14),
Sapporo, Japan, 5. Aug. 2002

oral, contributed
T. Hannappel
Energetics and fs-Dynamics at (100) Surfaces of MOCVD-grown III-V Semiconductors
14th Indium Phosphide and Related Materials Conference,
Stockholm, 12. – 16. May 2002

oral, contributed
L. Töben
Energetics and dynamics of hot electrons at MOCVD-prepared III-V (100) interfaces, Proceedings of the 11th
International Conference on Metal-Organic Vapour Phase Epitaxy,
Berlin, 03.-07.06.2002

oral, contributed
C. Zimmermann
Experiments on vibrational wavepacket motion during ultrafast heterogeneous electron transfer
AMOP-Frühjahrstagung der Deutschen Physikalischen Gesellschaft,
Osnabrück, 4.-8. März 2002

Poster
C. Zimmermann, F. Willig, S. Ramakrishna, R. Eichberger, R. Ernstorfer, N. Biswas, W. Storck,
Electronic coupling and coherence effects in ultrafast heterogeneous electron transfe
The 13th International Conference of Ultrafast Phenomena,
Vancouver, BC Canada, 12. – 17. May 2002

Poster
S. Ramakrishna, F. Willig, V. May
Theoretical Description of Ultrafast Heterogeneous Electron Transferand Related Femtosecond Optical Spectra
38th Symposium for Theoretical Chemistry,
International University Bremen, Germany, 25. – 29.08.2002

Other Activities

oral, contributed
M. Giersig
New bimetallic Core-Shell Cobalt Silver nanoparticles: preparation and characterization
International Congress on Electron Microscopy
Durban/South Africa 1-6 September 2002

oral, contributed
M. Hilgendorff
Preparation, Structure, and Magnetism of Bimetallic Colloidal Particles I: The Non-Alloying System Co/Ag
E-MRS Spring Meeting
Strasbourg/France 16-21 Juni 2002

Poster
M. S. Alam, B. S. M. Rao and E. Janata
A pulse radiolysis study of reactions of hydroxyl radicals with aliphatic alcohols:evaluation of kinetics by direct optical absorption measurement.
Third Asian Photochemistry Conference (APC-2002) incorporating Sixth Biennial Trombay Symposium on Radiation and Photochemistry (TSRP-2002),
Mumbai, Indien, 10.01.2002

Poster
D. Tonti, M. Chergui, A. Chemseddine
Growth of CdSe Nanocrystals and their optical properties in solution and on solid substrate
EuroConference, Cluster-Surface Interactions,
Granada, Spain, 1-6 June 2002

Poster
D. Tonti, M. Chergui, A. Chemseddine
Growth and optical properties of CdSe Nanocrystals
29th International Symposium on compound semiconductors
Lausanne 7-10 Oct. 2002

Poster
M. Hilgendorff, M. Giersig
Magnetic Particles and Nanostructures
DFG-Schwerpunktkolloquium,
Kochel am See, Germany, 27. – 29. October 2002

Poster
B. Kalska, J.J. Paggel, K. Schwinge, P. Fumagalli, J. Rybczynski, N.S. Sobal, M. Hilgendorff, M. Giersig
Magneto-Optical Behaviour of Nano-Sized Materials
5th Workshop on Correlation of Structure and Magnetism in Novel Nanoscale Magnetic Particles,
Thessaloniki, Greece, 03. – 06. October 2002

Poster
N. Vouroutzis, I. Tsiaoussis, E. Pavlidou, E. Papaioannou, O. Crisan, M. Angelakeris, N.K. Flevaris, I.Kostic, N.S. Sobal, M. Hilgendorff, M. Giersig
AFM & SEM Study of Magnetic Nanostructures
5th Workshop on Correlation of Structure and Magnetism in Novel Nanoscale Magnetic Particles,
Thessaloniki, Greece, 03. – 06. October 2002

Poster
M. Hilgendorff, *M. Giersig*
Assemblies of Magnetic Nanoparticles
5th Workshop on Correlation of Structure and Magnetism in Novel Nanoscale Magnetic Particles,
Thessaloniki, Greece, 03. – 06. October 2002

Poster
J. Rybczynski, M. Hilgendorff, M. Giersig
Self-Assembled Catalyst for Periodic Arrays of Aligned Carbon Nanotubes
International Conference on the Science and Application of Nanotubes Nanotube 2002,
Boston College, Massachusetts, USA, 06. – 11.July 2002

Plenary
E. Janata
Direct optical observation of the formation of some aliphatic alcohol radicals: a pulse radiolysis study.
Third Asian Photochemistry Conference (APC-2002) incorporating Sixth Biennial Trombay Symposium on Radiation and Photochemistry (TSRP-2002),
Mumbai, Indien, 10. Jan. 2002

Invited
E. Janata
Some examples of pulse radiolysis
PUWORP-2002 Pune University Workshop on Radiation and Photochemistry,
Pune, Indien, 04.01.2002

Invited
E. Janata
Some examples of pulse radiolysis
10th "TIHANY" Symposium on Radiation Chemistry,
Sopron, Hungary, 02.09.02

Invited
M. Giersig
Self assembly of catalyst for periodic arrays of aligned carbon nanotubes
NT02- International Carbon nanotubes conference,
Boston, May 2002

Invited
M. Hilgendorff
Magnetic Particles and Nanostructures: Part I, Bimetallic AgCo Particles,
DFG-Schwerpunktkolloquium,
Kochel am See, Germany, 27. - 29. October, 2002

Invited
M. Giersig,
Magnetic Particles and Nanostructures: Part II, Nanosphere Litography and Carbon Nanotubes,
DFG-Schwerpunktkolloquium,
Kochel am See, Germany, 27. - 29. October,2002

SE5 – Solar Energetics

Solar Energetics

Oral
Kunst, M.; Jokisch, D.
Lateral scanning of Si based systems by measurements of the microwave photoconductance
EMRS 2002 Spring Meeting,
Strasbourg, France, June 18-21, 2002

Invited
Kunst, M.
The study of a-Si:H films by in-situ and ex-situ contactless transient photoconductivity measurements
First a-Si-Net Workshop,
Salerno (Italy), March 2002

Invited
Fiechter, S.
Noble metal free catalysts for oxygen reduction in PEM fuel cells
World Renewable Energy Congress VII - Fuel Cell Systems,
Köln, 1.-5.7.2002

Oral
Citarella, G.; Abdallah, O.; Wuensch, F.; Kunst, M.
(Opto) electronic properties of silicon nitride films on crystalline silicon substrates
EMRS 2002 Spring Meeting,
Strasbourg, France, June 18-21, 2002

Oral
Ellmer, K.; Kuppusami, P.; Fiechter, S.
Epitaxial Growth of Aluminium-Doped Zinc Oxide on Single Crystalline Sapphire: Structural Characterization and Electrical Properties
8th Int. Conf. Plasma Surface Engineering,
Garmisch-Partenkirchen, Bayern, September 9-13, 2002

Oral
Kunst, M.; Jokisch, D.
Lateral scanning of Si based systems by measurements of the microwave photoconductance
EMRS 2002 Spring Meeting,
Strasbourg, France, June 18-21, 2002

Oral
Kunst, M.;Feist H.; Swiatkowski, C.
Charge carrier transport and recombination at high charge carrier concentration in a-Si:H
Chelsea Meeting on amorphous and thin film semiconductors,
Cambridge (UK), March 2002

Oral
Kuppusami, P.; Diesner, K.; Sieber, I.; Ellmer, K.
Influence of Oxygen Addition and Substrate Temperature on Textured Growth of Al Doped ZnO Thin Films Prepared by RF Magnetron Sputtering
Material Research Society Spring Meeting,
San Francisco, USA, April 1-5, 2002

Oral
Mientus, R.; Sieber, I.; Ellmer, K.
Structure and Morphology of Reactively Sputtered $In_{0.9}Sn_{0.1}O_x$ Layers
Material Research Society Spring Meeting,
San Francisco, USA, April 1-5, 2002

Oral
Schrape, M.; Tributsch, H.; Klein, M. P.; Wünsch, F.; Kunst, M.
Measurement of the microwave Hall effect for the characterization of semiconductors
EMRS 2002 Spring Meeting,
Strasbourg, France, June 18-21, 2002

Oral
Weiß, V.; Ellmer, K.

Texture of Polycrystalline MoS_x Thin Films Reactively Sputtered from a Molybdenum Target in Ar-H_2S Atmospheres
Material Research Society Spring Meeting,
San Francisco, USA, April 1-5, 2002

Poster
Ellmer, K.; Plagemann, A.
Ion-Energy Distributions at Growing Films during Magnetron Sputtering of Indium-Tin Oxide
8th Int. Conf. Plasma Surface Engineering,
Garmisch-Partenkirchen, Bayern, September 9-13, 2002

Poster
Fiechter, S.; Martinez, M.; Schmidt, G.; Henrion, W.; Tomm, Y.
Phase Relations and Optical Properties of Semiconducting Ternary Sulfides in the System Cu–Sn-S
International Conference on Ternary and Multinary Compounds, ICTMC-13,
Paris, 14.-18.10.2002

Poster
Kuppusami, P.; Fiechter, S.; Ellmer, K.
Pole Figure Analysis of Epitaxial Films of ZnO:Al2wt% Grown on Sapphire Substrates by RF Magnetron Sputtering
Material Research Society Spring Meeting,
San Francisco, USA, April 1-5, 2002

Poster
Kuppusami, P.; Fiechter, S.; Ellmer, K.
Pole Figure Analysis of Epitaxial Films of ZnO:Al2wt% Grown on Sapphire Substrates by RF Magnetron Sputtering
Material Research Society Spring Meeting,
San Francisco, USA, April 1-5, 2002

Poster
Meeder, A.; Fuertes Marron, D.; Kunst, M.; Rumberg, A.; Schedel-Niedrig, T.; Lux-Steiner, M.Ch.; Tezlevan, V. .; Arushanov, E.
Optical and electrical properties of CVT-grown $CuGaSe_2$ single crystals and thin films
EMRS 2002 Spring Meeting,
Strasbourg, France, June 18-21, 2002

Poster
Tomm, Y.; Gunst, S.; Fiechter, S.; Jaegermann, W.
Growth of $Cu_xTi_{1-x}Se_2$ single crystals by chemical vapor transport
13th International Conference on Ternary and Multinary Compounds, ICTMC-13,
Paris, 14.-18.10.2002

Poster
Weiß, V.; Mientus, R.; Ellmer, K.
Reactively Sputtered MoS_x and WS_x Thin: *In situ* Energy-Dispersive X-ray Diffraction Study of Nucleation and Growth
8th Int. Conf. Plasma Surface Engineering,
Garmisch-Partenkirchen, Bayern, September 9-13, 2002

Poster
Bogdanoff, P.; Fiechter, S.; Hilgendorff, M.; Schulenburg, H.
Carbon supported Fe/Co-Catalysts for the Electroreduction of Oxygen in acidic media.
International Society of Electrochemistry, 53rd Annual Meeting,
Düsseldorf, 15-20 September, 2002

Poster
Bogdanoff, P.; Schulenburg, H.; Fiechter, S.
Development of noble metal free catalysts for the cathode of PEM-FCs
Fuel cells science and technology 2002, 1st Meeting,
Amsterdam, 25-26 September, 2002

Poster
Hilgendorff, M.; Bogdanoff, P.; Bron, M.; Dorbandt, I.; Tributsch, H.; Fiechter, S.
Preparation, Structure and Performance of Ru-based Oxygen Reduction Catalysts in PEM Fuel Cells
World Renewable Energy Congress VII - Fuel Cell Systems,
Köln, 1.-5.7.2002

Poster
Macht, B.; Barkschat, A.; Ellmer, K.; Tributsch, H.
On the Interfacial Nature of Dye Sensitization Solar Cell Degradation
IPS-14,
Sapporo, Japan, 04.-09.08.2002

Poster
Neher, G.; Bogdanoff, P.; Tributsch, H.
Periodic Hydrogen Photoevolution and Inversion of Photoresponse at Autocatalytic p-CuInSe:H20/H202 Energetics
IPS-14,
Sapporo, Japan, 04.-09.08.2002

Oral
Ellmer, K.
Epitaktisches Wachstum von magnetrongesputterten aluminiumdotierten ZnO-Schichten auf Saphireinkristallen
IX. Erfahrungsaustausch “Oberflächentechnologie mit Plasmaprozessen”,
Mühlleithen, Erzgebirge, 5.-7.3.2002

Oral
Weiß, V.; Ellmer, K.; Mientus, R.
In situ-Untersuchung des Wachstums von MoSx-Schichten durch energiedispersive Röntgenbeugung während des Magnetron-Sputterns
IX. Erfahrungsaustausch “Oberflächentechnologie mit Plasmaprozessen“,
Mühlleithen, Erzgebirge, 05.-07.03.02

oral
Bogdanoff, P.
Edelmetallfreie Katalysatoren auf Cobalt-Eisen Basis für die Sauerstoffreduktion in PEM-Brennstoffzellen
XXXV. Jahrestreffen Deutscher Katalytiker,
Weimar, 20.-22. März 2002

Poster
Bohne, W.; Ellmer, K.; Kluth, O.; Lindner, S.; Menner, R.; Orgassa, K.; Röhrich, J.; Strub, E.
Bestimmung der Dichte und des Verunreinigungsgehaltes von ZnO:Al-Schichten mittels elastischer Vorwärtsstreuung (ERD)
3. FVS-Workshop "TCO für Dünnschichtsolarzellen“,
Jülich, 16.-17. September 2002

Poster
Weiß, V.; Ellmer, K.; Mientus, R.
Growth Monitoring of Reactively Sputtered MoSx Thin Films by in situ Energy Dispersive XRD
HASYLAB Nutzertreffen 2002,
Hamburg, 25.01.2002

Poster
Bron, M.; Radnik, J.; Fieber-Erdmann, M.; Fiechter, S.; Bogdanoff, P.
Katalysatoren für die Sauerstoffreduktion in Brennstoffzellen aus Hochtemperatur-behandelten, kohlenstoffgeträgerten Eisen-Phenantrolin-Komplexen
XXXV. Jahrestreffen Deutscher Katalytiker,
Weimar, 20.-22. März 2002

Poster
Schulenburg, H.; Hilgendorff, M.; Bron, M.; Bogdanoff, P.; Dorbandt, I.; Fiechter, S.; Tributsch, H.
Eisen-basierte Elektrokatalysatoren für die Sauerstoffreduktion: Pyrolyse von Polymeren mit Eisenacetat auf Aktivkohle
XXXV. Jahrestreffen Deutscher Katalytiker,
Weimar, 20.-22. März 2002

Interface Engineering

Invited
Jungblut, H.; Jakubowicz, J.; Aggour, M.; Murrell, C.; Hoffmann, P.; Lewerenz, H.J.
Successive Nanoroughening of Si (111): A Combined Synchrotron Radiation Photoelectron Spectroscopy and AFM Study
Ninth Annual International Conference on Composites Engineering,
San Diego, California, USA, 1.-6.7.2002

Invited
Lewerenz, H.J.
Structural and Chemical Surface Characterization
European Summerschool of Biocorrosion,
Portsmouth, U.K., 7.-13.7.2002

Invited
Lewerenz, H.J.
From H-Terminated Si(111) Surfaces to Precursor States of Porous Silicon
14th Int. Conf. on Photochem. Conv. and Storage of Solar Energy,
Sapporo, Japan, 9.-11.8.2002

Oral
Lewerenz, H.J.; Aggour, M.; Jakubowicz, J.; Cox, P.A.; Jungblut, H.
Investigation of Early Stages of Porous Si Formation by Synchrotron Radiation Photoelectron Spectroscopy and AFM
201st ECS Meeting,
Philadelphia, N.J., USA, May 12-17, 2002

Poster
Jungblut, H.; Jakubowicz, J.; Schweizer, S.; Lewerenz, H.J.
New Dissolution Mechanism of Highly Doped n–Si in F^- Containing Solutions
ISE 2002,
Düsseldorf, Germany, 15.-20.9.2002

Poster
Jungblut, H.; Lewerenz, H.J.
Mechanism of Porous Si Formation on Highly n–doped Samples in the Dark
2nd Gerischer Symposium,
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SF7 – Nuclear Measurement Techniques

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SE – Solar Energy Research

SE1 – Silicon Photovoltaics

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SE2 – Heterogenous Material Systems

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SE3 – Technology

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SE4 – Dynamics of Interfacial Reactions

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SE5 – Solar Energetics

Solar Energetics

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Berlin 28.11.2002

Interface Engineering

Grzanna, J.; Lewerenz, H.J.; Jungblut, H.
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Berlin, 30.4.2002

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SE6 – Electronic Structure of SC-Interfaces

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Calvet , W.
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HAD – Information Technology

DH – Measurement Systems and Hardware

Grzanna, J.; Lewerenz, H.J.; Jungblut, H.
Dynamisches Verhalten mikroskopischer Domänen: Theorie elektrochemischer Oszillationen an Si
Seminar „Irreversible Prozesse und Selbstorganisation“ im Institut für Physik der Humboldt-Universität Berlin, 30.4.2002

Patents and Patent Applications

Patents

Dep.	Filling date	Inventor	Title	The patent was issued
SF1		Mezei, F.	Neutron optical elements for spectral shaping of neutron beam or pulses (HMI and Los Alamos National Laboratory)	
SF6.	15.02.01	Behne, D.; Kyriakopoulos, A., Pfeifer, H. u.a.	Neue Form des PHGPx-Proteins als diagnostischer Marker bei männlicher Infertilität Amtl. Az.: 101 07 186.8	30.05.2001 (Nachtrag)
SE1	11.9.2002	Kytina, I., Kytin, V., Lips, K.	Verfahren zur Herstellung und zum Betreiben eines Farbstoff-Polymer-Lasermediums und Anordnung zu dessen Implementierung in einem Aufbau zur Lichtverstärkung DE 102 43845.5	13.12.01
SE2	27.06.1997	Mertesacker, B.; Pietzak, B.; Waiblinger, M.; Weidinger, A.	Verfahren und Vorrichtung zur Herstellung von stabilen endohedralen Fullerenen der Struktur Z@Cx mit x = 60 - EP 0 958 241	30.05.2001 (Nachtrag)
SE2	26.02.1999	Mertesacker, B.; Pietzak, B.; Waiblinger, M.; Weidinger, A.:	Elektronenemitter und Verfahren zu dessen Herstellung - DE 199 10 156	29.7.2002
SE2	30.03.2000	Harneit, W.; Jäger-Waldau, A.; Lux-Steiner M.Ch.:	Verfahren zur Herstellung eines Solarmoduls mit integriert serienverschalteten Dünnschicht-Solarzellen und mit dem Verfahren hergestellte Solarmodule - DE 100 17 610	31.10.2002
SE2	19.11.2000	Harneit, W.; Waiblinger, M.; Weidinger, A.; Mertesacker, B.; Dinse K.P.	Verfahren und Anordnung zur Verarbeitung von quantenmechanischen Informationseinheiten - DE 100 58 243	10.10.2002

Patent applications

Dep.	**Filling date**	**Inventor**	**Title**
SE2	27.03.2002	Dloczik, L.; Könenkamp, R.; Engelhardt, R.; Ernst, K.; Lux-Steiner, M.-C.	Verfahren zur Mikro- und Nanostrukturierung der Oberflächen von Metalloxiden und Metallchalkogeniden – PCT/DE 02/076910
SE2	27.08.2002	Könenkamp, R.; Chen, J.	Vertical transistor in polymer foils – PCT/DE 02/03191

Academic Education

Lectures, Courses, ...

Dep.	Lecturer	Topic	Course	University	SWS*
		Summer Term 2002			
SF1	Peters, J.	Physik II	Lecture	TFH Berlin	4
SF1	Mezei, F.	Doktorandenseminar	Seminar	TU Berlin	2
SF1	Lieutenant, K.	Introduction to the VItess software package Contribution to Jülich Summer School on Polarized Neutrons	Summer School	FZJ	1 (3 x 4 h)
SF1	Zsigmond, G.	Simulations with Polarized Neutrons Contribution to Jülich Summer School on Polarized Neutrons	Summer School	FZJ	1 (3 x 4 h)
SF3	Reimers, W.	Zerstörungsfreie experimentelle Eigenspannungsanalyse	VL	TU Berlin	2
SF4	Biersack, J.; Stolterfoht, N.	Atom- und Festkörperphysik mit schweren Ionen	Forschungsseminar	FU Berlin	2
SF4	Czerski, K.; Heide, P.; Bucka, H.	Nukleare Atomphysik	Forschungsseminar	TU Berlin	2
SF4	Mahnke, H.-E.	Festkörperphysik mit schweren Ionen	Forschungsseminar	FU Berlin	2
SF4	Schiwietz, G.	Kurzzeitdynamik des Festkörpers	Forschungsseminar	TU Berlin	2
SF4	Schumacher, G.	Physik der Superlegierungen	Lecture	TU Berlin	2
SF5	Falcke, M.	Stochastische Prozesse	Seminar	FU Berlin	2
SF5	Falcke, M.	Theorie der Wärme	Tutorial	FU Berlin	2
SF5	Franosch, T.	Stochastische Prozesse	Seminar	FU Berlin	2
SF5	Franosch, T.	Theorie der Wärme	Tutorial	FU Berlin	2
SF5	Frey, E.	Theorie der Wärme	Lecture	FU Berlin	4
SF5	Frey, E.	Stochastische Prozesse	Seminar	FU Berlin	2
SF5	Parmeggiani, A.	Theorie der Wärme	Tutorial	FU Berlin	2
SF5	Lattanzi, G.	Theorie der Wärme	Tutorial	FU Berlin	2
SF5	Santos, J.E.	The C++ Language - Applications to Physics	Lecture	HMI	2
SF6	Behne, D.	Anwendung von Radionukliden in den Biowissenschaften	Lecture	FU Berlin	1
SF6	Kyriakopoulos, A.	Biochemie von Spurenelementen	Lecture	FU Berlin	2
SF6	Kyriakopoulos, A. Behne, D.	Biochemie von Spurenelementen	Lab. Course Seminar	FU Berlin	5
SF6	Kyriakopoulos, A. Behne, D.	Doktorandenseminar: Ausgewählte Gebiete der Spurenelementforschung	Seminar	FU Berlin	2
SF7	von Oertzen	Heavy Reactions	Seminar	FU	2
SE1	Gall, S.; Wagemann, H. G.	Grundlagen der Bauelemente für die photovoltaische Energiewandlung	Lecture	TU Berlin	2
SE1	Nickel, N. H.; Esser, N.; Richter, W.	Festkörperphysik I	Lecture	TU Berlin	4
SE2	Lux-Steiner, M. Ch.	Festkörperspektroskopie	Lecture	FU Berlin	4
SE2	Harneit, W.; Linke V.	Quantencomputer – Konzepte und Implementierungen	Lehrseminar	FU Berlin	2
SE2	Schedel-Niedrig, Th.	Allgemeine u. Anorganische Chemie II	Lab Course	TU Berlin	2,5
SE5	Bogdanoff, P.	Fortgeschrittenen Praktikum Physikalische Chemie	Lab Course	FU Berlin	halbtags n.V.
SE5	Fiechter, S.;	Herstellung und Untersuchung von	Lab	FU Berlin	halbtags

	Tomm, Y.	Übergangsmetallchalkogeniden	Course		n.V.
SE5	Lewerenz, H.J.	Physikalische Elektrochemie	VL	TU Berlin	2
SE5	Lewerenz, H.J.	Solarzellen	VL	BTU Cottbus	2
SE5	Lewerenz, H.J.	Oberflächenphysikalische Untersuchungen an energieumwandelnden Halbleiterstrukturen	CO	TU Berlin	2
SE5	Tributsch, H.	Elektrochemie und Bioenergetik	VL	FU Berlin	2

Winter Term 2002 / 2003					
SF1	Peters, J.	Ausgewählte Kapitel der Physik	Lecture	TFH Berlin	4
SF1	Mezei, F.	Doktorandenseminar	Seminar	TU Berlin	2
SF1	Mezei, F.	Kompaktkurs Neutronenstreuung	Lecture	TU Berlin	3
SF3	Banhart, J.	Technologie der Aluminiumwerkstoffe	VL	TU Berlin	4
SF4	Biersack, J.; Stolterfoht, N.	Atom- und Festkörperphysik mit schweren Ionen	Forschungsseminar	FU Berlin	2
SF4	Czerski, K.; Heide, P.; Bucka, H.	Angewandte Kernphysik	Forschungsseminar	TU Berlin	2
SF4	Heese, J.; von Oertzen, W.	Übungen zur Kern- und Teilchenphysik	Übungen	FU Berlin	2
SF4	Schiwietz, G.	Kurzzeitdynamik des Festkörpers	Forschungsseminar	TU Berlin	2
SF4	Mahnke, H.-E.	Festkörperphysik mit schweren Ionen	Forschungsseminar	FU Berlin	2
SF4	von Oertzen, W.; Heese, J.	Einführung in die Kern- und Teilchenphysik	Lecture	FU Berlin	4
SF5	Franosch, T.	Soft Matter and Biological Physics	Lecture	FU Berlin	4
SF5	Frey, E.	Soft Matter and Biological Physics	Lecture	FU Berlin	4
SF5	Kroy, K.	Soft Matter and Biological Physics	Tutorial	FU Berlin	2
SF6	Behne, D.	Spurenelementanalyse: Einführung und spezielle Probleme (Umweltanalytik, Medizin, Biologie)	Lecture	FU Berlin	1
SF6	Kyriakopoulos, A.	Biochemie von Spurenelementen	Lecture	FU Berlin	2
SF6	Kyriakopoulos, A. Behne, D.	Biochemie von Spurenelementen	Lab. Course Seminar	FU Berlin	5
SF6	Kyriakopoulos, A. Behne, D.	Doktorandenseminar: Ausgewählte Gebiete der Spurenelementforschung	Seminar	FU Berlin	2
SF6	Kyriakopoulos, A. Behne, D.	Biochemie von Spurenelementen	Lab. Course Seminar	FU Berlin	5
SF7	W. von Oertzen	Introc. Nuclear and Particle Physics	Vorlesung	FU	4
	W. v.Oe/Heese		Übung	FU	2
SE1	Nickel, N. H.; Esser, N.; Richter, W.	Festkörperphysik II	Lecture	TU Berlin	4
SE2	Siebentritt, S.	Physik I für Naturwissenschaftler	Übungen	FU Berlin	2
SE2	Schedel-Niedrig, Th.	Allgemeine u. Anorganische Chemie	Lecture	TU Berlin	1
SE5	Bogdanoff, P.	Fortgeschrittenen Praktikum Physikalische Chemie	Lab Course	FU Berlin	halbtags n.V.
SE5	Fiechter, S.; Tomm, Y.	Herstellung und Untersuchung von Übergangsmetallchalkogeniden	Lab Course	FU Berlin	halbtags n.V.
SE5	Lewerenz, H.J.	Photovoltaische Solarzellen	VL	TU Berlin	2
SE 5	Lewerenz, H.J.	Oberflächenphysikalische Untersuchungen an energieumwandelnden Halbleiterstrukturen	CO	TU Berlin	2
SE5	Tributsch, H.	Bionik-Strategien zur Regenerativen Energienutzung	VL	FU Berlin	2

Exams

Dep.	Author	Title	University	Date
Habilitation				
SF1	Peters, J.	La diffusion de neutrons appliquée à l'étude des domaines magnétiques et des parois de Bloch dans un monocristal de nickel et à la diffraction de monocristaux en temps de vol	Université Joseph Fourier – Grenoble	12/02

Ph.D.				
SF2	Hoffmann, J.-U.	Magnetische Korrelationen und Phasenübergänge in magnetoresistiven La(1-x)Sr(x)MnO(3)-Einkristallen	Eberhard-Karls-Universität zu Tübingen	11/02
SF2	Kirsch, R.	Magnetische und strukturelle Eigenschaften von Fe-Ionen in metallischen Systemen	FU Berlin	01/02
SF3	Wang, L.	Microstructure and residual stress states in the contact zone of rails and wheels	TU Berlin	09/02
SF3	Dieter, S.	Mikrostruktur und magnetische Eigenschaften von CoFe-Ein- und CoFe-/SiO_2-Viellagenschichten	TU Berlin	09/02
SF6	Richarz, A.-N.	Speziationsanalyse von proteingebundenen Elementen in Cytosolen als biologische Marker für Lebensprozesse unter besonderer Berücksichtigung der Metallothioneine im Gehirn	TU Berlin	04/02
SF6	Bertelsmann, H.	Untersuchungen zu Verteilungen und Redoxfunktionen von hodenspezifischen Selenoenzymen in verschiedenen Tierspezies	FU Berlin	08/02
SE1	Reinig, P.	Ionenassistierte Magnetron-Sputterdeposition von kristallinen Siliziumschichten für Dünnschichtsolarzellen	Philipps-Universität Marburg	05/02
SE1	Hartig, P.	Engineering of Si(111) Surfaces by Electrochemical Deposition of Organic Layers from Diazonium Salt Solutions	TU München-Garching	07/02
SE1	Heck, S.	Investigation of Light-Induced Defects in Hydrogenated Amorphous Silicon by Low Temperature Annealing and Pulsed Degradation	Philipps-Universität Marburg	11/02
SE1	Yahyaoui, F. (DAAD-Stipendiatin)	Comportement Electrochimique de l´Interface Si / SiO_2 en Milieux Fluorhydriques: Propiétés Electroniques et Taux de Dissolution	University of Kénitra, Morocco	12/02
SE2	Eisele, W.	Struktur und Funktion von ZnSe-Pufferschichten in Chalkopyritsolarzellen	FU Berlin	12/02
SE2	Riedle, Th.	Raman Spectroscopy for the Analysis of Thin $CuInS_2$ Films	TU Berlin	05/02
SE2	Schuler, S.	Transporteigenschaften und Defekte in polykristallinen $CuGaSe_2$-Schichten und Heterostrukturen	FU Berlin	12/02
SE3	Werner, A.	Strukturelle und elektronische Charakterisierung silberdotierter photoaktiver $CuInS_2$-Absorberschichten	FU Berlin	07/02
SE4	Töben, L.	Untersuchungen zur Energetik und Dynamik Von Elektronen an MOCVD-gewachsenen III-V-Halbleiter-Oberflächen	TU Berlin	01/02
SE5	Schulenburg, H.	Ruthenium- und eisenbasierte Katalysatoren für die elektrochemische Sauerstoffreduktion in Polymerelektrolytmembran-Brennstoffzellen	FU Berlin	04/02
SE5	Macht, B.	Degradationsprozesse in $Ru(bpca)_2(NCS)_2$-sensibilisierten Farbstoffzellen auf Titandioxidbasis	FU Berlin	12/02
SE6	Calvet, W.	Präparation und in situ Charakterisierung MBE gewachsener Kupferindiumdisulfid-Schichten	BTU- Cottbus	04/07

Diploma/ Master				
SF1	Koltermann, Peer	Aufbau einer Messtechnik zur Charakterisierung der Messsystemauflösung in der Computer Tomographie	TFH	10/02
SF4	Stiefel, S.:	BANG-Polymergel-Dosimetrie für die Protonentherapie	Technische Fachhochschule Berlin	12/02
SF7	Lenz, A.	Spectroscopie der Be-isotope	TU	11/02
SE1	Weihmann, Sven	Untersuchungen mit EBIC (Electron Beam Induced Current) an quasi-epitaktischen Si-Schichten und darauf basierenden Solarzellenstrukturen	TU Berlin	05/02
SE1	Otto, Michael	Entwicklung eines Programmes zur Steuerung eines photovoltaischen Messplatzes mit Datenerfassung und -visualisierung	Berufsakademie Berlin	08/02
SE1	Schneider, Jens	Oberflächenpräparation von ALILE-Saatschichten für polykristalline Silizium-Dünnschichtsolarzellen	TU Berlin	09/02
SE2	Johnev, B.	Investigation and Modification of the ITO-Interface in Organic Solar C ells	Universität Sofia	10/02
SE2	Bouazza, M.	Herstellung von CuInS2-Dünnschichtsolarzellen durch elektrolytische Abscheidung von Kupfer und Indium mit anschließender Sulfurisierung in H_2S-Atmosphäre	FU Berlin	06/02
SE2	Dziedzina, M.	Diodencharakteristik und Rekombinationsmechanismen von mittels Koverdampfung hergestellten $CuGaSe_2$-Solarzellen	TU Berlin	04/02
SE2	Gee, A.T.	Synthese und Charakterisierung von Pufferschichten für Chalkopyrit-Dünnschichtsolarzellen	TU Berlin	04/02
SE2	Kropp, T.	Deposition von Absorberschichten für Chalkopyrit-Solarzellen mit dem ILGAR-Verfahren	TFH Berlin	10/02
SE2	Vogel, M.	Herstellung und Charakterisierung organischer Solarzellen auf Basis von C_{60} und Zink-Phthalocyanin	FU Berlin	11/02
SE5	Hermann, I.	Entwicklung edelmetallfreier Katalysatoren für dier elektrochemische Sauerstoffreduktion	BTU Cottbus	11/02
SE5	Plagemann, A.	Messung von Masse- und Energieverteilungen energetischer Spezies (Ionen, Neutralteilchen) in einer Magnetron-Entladung mit einem ITO-Target bzw. ZnO-Target	FHTW Berlin	

Summer students etc.

Dep.	Name	Status	Home Institution	Period
SF1	Medic, M.	summer student	University of Belgrade	08 – 09/02
SF1	Jaloux, J.	high school student	Gymnasium	01 – 12/02
SF1	Mecklenburg, A.	student	FU Berlin	12/02
SF1	Lemke, P.	student	TU Berlin, VW Wolfsburg	04-12/02
SF1	Henkel, F.	student	TU Berlin	12/02
SF1	Reimann, A.	student	TU Berlin	03-12/02
SF1	Kuete, F.	student	TU Berlin	12/02
SF1	Tomm, A.	student	FHW Berlin	12/02
SF1	Brödel, J.	high school student	Gymnasium	12/02
SF2	Zagorodny. K.	summer student	TU Kiev	05/08 – 27/09
SF2	Fleischer, F.	summer student	Uni Leipzig	05/08 – 27/09
SF3	Keshaw, J	IAEA fellow	NECSA South Africa	1.09/15.09
SF3	Franklyn, C.	IAEA fellow	NECSA South Africa	1.09/7.09
SF3	Han, J.S	IAEA fellow	KAERI, S. Korea	1.10/31.12
SF3	Krieger, M.	summer student	TU Clausthal	05.08. – 27.09.2002
SF3	Löbel, R.	summer student	Universität Jena	05.08. – 27.09.2002
SE1	Hegyi, Pjotr	summer student	Poland	5.8.-28.9.02
SE2	Wollstein, Ch.	Praktikant	Heinrich-Hertz-Oberschule Berlin	25.03.02-04.04.02 01.08.02-16.08.02
SE2	Ledernez, L.	Praktikant	ESIGEC, Université de Savoie, France	08.04.02-30.09.02
SE2	Gast, M.	high school student	Humboldt-Gym. Potsdam	21.02.02-16.08.02
SE2	Labal, J.	high school student	Darmstadt	30.09.02-11.10.02
SE2	Flunkert, V.	Student	TU Berlin	11.02.02-10.04.02
SE2	Henning, S.	Student	TU Berlin	04.03.02-03.05.02
SE2	Walk, Ph.	Student	TU Berlin	01.04.02-31.12.02
SE2	Schönmann, A.	Studentin	FHTW Berlin	01.09.02-03.01.03
SE2	Soeken, M.	Praktikant	Techn. Gym. Aurich	30.09.02-11.10.02
SE2	Flemming, I.	Praktikantin	Techn. Gym. Aurich	30.09.02-11.10.02
SE2	Rahne, K.	Praktikantin	FU Berlin	14.10.02-13.12.02
SE2	Olesch, Ch.	Student	FU Berlin	01.09.02-15.10.02
SE2	Neokosmidis, E.	Sommer-Student	Uni Athen, Griechenl.	05.08.02-26.09.02
SE2	Luschtinetz, F.	Studentin	Uni Potsdam	05.08.02-26.09.02
SE3	Nizamovska, B.	summer student	Skopje University	08 – 10/02
SE3	Lehmann, S.	summer student	Leipzig University	08 – 10/02
SE4	Maren Grzelczak	summer student	Universität Posen	5.8. – 27.9.2002
SE4	Thomas Kempa	summer Student	Boston College	5.8. – 27.9.2002
SE4	Todor Hikov	summer Student	Universität Sofia	5.8. – 27.9.2002
SE4	Erhan Yagiz	School Practicant	Dreilinden-Oberschule, Berlin	21.10. – 1.11.2002
SE4	Simon Pliska	School Practicant	Priv. Kantschule, Berlin	11. 11. – 30.11.2002
SE4	Eva Kapitza	School Practicant	Gustav-Fraytag-Oberschule, Berlin	2.12. – 20.12.2002
SE4	Eva Kapitza	School Practicant	Gustav-Fraytag-Oberschule, Berlin	2.12. – 20.12.2002
SE 5	Rauschal, M.	high school student	W.-v.-Siemens Gymnasium	14.-30.01.02
SE 5	Senden, V.	high school student	Weinberg Gymnasium	18.2.-1.3.02
SE 5	Thunerr, S.	high school student	B.-Brecht Oberschule	22.5.-7.6.02
SE 5	Kasper, C.	high school student	Kant Gymnasium	9.-23.9.02
SE 5	Schulzke, M.	high school student	Herder Gymnasium	19.9.-2.10.02
SE 5	Draht, J.	high school student	G.-Keller Gymnasium	23.9.-4.10.02
SE 5	Juritsch, T.	high school student	H.-Wegscheider Oberschule	21.10.-8.11.02
SE 5	Wenzel, A.	high school student	H.-Wegscheider Oberschule	11.-30.11.02
SE 5	Eckhold, S.	high school student	Weinberg Gymnasium	9.-20.12.02
SE 5	Behrens, A.	high school student	Gymnasium Königin Luise Stiftung	08-09/2000

SE 5	Ladicky, L.	summer student	Slovak University	08-10/02
SE 5	Gaul, M.	student	TU Berlin	01-04/2002
SE 5	Gummi, R.	student	TU Berlin	05-08/2002
SE 5	Kusserow, M.	student / practica	FU Berlin	WS 01/02
SE 5	Meier, F.	student / practica	FU Berlin	WS 01/02
SE 5	Meudtner, R.	student / practica	FU Berlin	SS 02
SE 5	Schillinger, E.	student / practica	FU Berlin	SS 02
SE 5	Ostmann, J. Ch.	student / practica	FU Berlin	SS 02
SE 5	Junghänel, M.	student / practica	FU Berlin	SS 02

Appointments and Awards

Faculty appointments (Rufe und Berufungen)

Dep.	Name	Position	Ruf erhalten Ruf angenommen
SE2	Könenkamp, R.	Full Professor, Portland State University, USA	12/02 angen.

Awards

Dep.	Name	Award
SE2	Bär, M.	IEEE student award
SE2	Harneit, W.	Preisträger im BMBF Nachwuchswettbewerb Nanotechnologie 2002
SE2	Muffler, H.-J.; Bär, M.; Fischer, Ch.-H.; Kropp, T.; Steigert, H.	HMI Technology Transfer Prize
SF1	Mezei, F.	Fellow of the American Physical Society for leadership in development of neutron scattering in condensed matter research, 2000 (addition to annual report 2000)
SF3	Haibel, Astrid	Klaus-Liebrecht-Preis 2002 verliehen von der Mathematisch-Naturwissenschaftlichen Fakultät der Universität zu Köln für die beste Doktorarbeit des Jahres 2002 12.12.2002
SF5	Lattanzi, G.	Best poster presentation at the workshop „Dynamics of Biological Systems“ in Humlebaek, Denmark, 10.-17. 8. 2002
SF6	Richarz, A.-N.	Conference prize for best poster 18. Jahrestagung der Gesellschaft für Mineralstoffe und Spurenelemente, Stuttgart, 11.-12.10.2002

Participation in external scientific bodies and committees

SE1	Fuhs, W.	Wiss. Beirat ISFH Emmerthal
SE2	Ennaoui, A.:	Jury dans l´examen d´habilitation de Fahoum Mounir, Uni. Mohamed V, 02.2002
SE2	Ennaoui, A.:	Jury dans l´examen d´habilitation de Fouad Chraibi, Uni. Mohamed V, 02.2002
SE2	Ennaoui, A.:	Editorial Broad in Solar Energy Materials and Solar Cells
SE2	Ennaoui, A.:	Editorial Broad in Moroccan Journal of Condensed Matter
SE2	Ennaoui, A.:	Membre du pôle de compétence Matière condensée Université Mohamed V, Morocco
SE2	Lux-Steiner, M.Ch.:	Member of the „Energiebeirat des Senats von Berlin“
SE2	Lux-Steiner, M.Ch.:	Member of the Jury for the „Innovationspreis Berlin/Brandenburg
SE2	Lux-Steiner, M.Ch.:	Vertretung des Bereichs SE im Direktorium des nationalen Forschungsverbundes
SE2	Lux-Steiner, M.Ch.:	Vertretung des HMI bei der EUREC Agency, einer Vereinigung von außerordentlichen Forschungseinrichtungen in der EU im Bereich der Regenerativen Energien, die eng mit der EPIA, dem Industriellen Gegenpart in Verbindung steht.
SE2	Lux-Steiner, M.Ch.:	Member of the „Eidgenössische Energieforschungskommission CORE in der Schweiz (beratendes Organ des Bundesrats in Sachen Energieforschung der öffentlichen Hand in der Schweiz)“
SE2	Lux-Steiner, M.Ch.:	Member of the WTA-Aufsichtsrat Forschungszentrum Jülich
SE2	Lux-Steiner, M.Ch.:	Member of the Organising Committee für ICMOVPE XI (since 2001)
SE2	Lux-Steiner, M.Ch.:	TT-Beauftragte
SE2	Lux-Steiner, M.Ch.:	Berufungskommission Jülich, Institut für Photovoltaik
SE2	Lux-Steiner, M.Ch.:	Speaker of the Leitungskreis der Arbeitsgemeinschaft Solare Materialien
SE2	Lux-Steiner, M.Ch.:	Member of the „Strukturkommission des GKSS“
SE2	Siebentritt, S.:	Member of the Organising Committee für ICMOVPE XI (since 2001)
SE2	Weidinger, A.:	Komitee „ Forschung mit nuklearen Sonden und Ionenstrahlen“
SF 4	Mahnke, H.-E.:	Member of the Committee “Forschung mit nuklearen Sonden und Ionenstrahlen (KFSI) “
SF1	Jauch, W.	Member of Experimental Facilities Advisory Council, Spallation Neutron Source (USA)
SF1	Mezei, F.	Member of Subcommittee Instrumentation, Institut Laue-Langevin (France)
SF1	Mezei, F.	Member of Scientific Council, Laboratoire Leon Brillouin (France),
SF1	Mezei, F.	Chairman of the International Advisory Council, Budapest Neutron Center (Hungary)
SF1	Mezei, F.	Vertreter des HMI bei der European Neutron Scattering Association (ENSA) (Switzerland)
SF1	Mezei, F.	Member of Technical Management Team and Task Leader for Instrumentation European Spallation Source
SF1	Mezei, F.	Member of the Experimental Facility Advisory Council Spallation Neutron Source Oak Ridge (TN, USA)
SF2	Graf, H.A.	Member of the Komitee Forschung mit Neutronen
SF2	Graf, H.A.	Member of the FRM II Instrumentierungsausschuss
SF2	Graf, H.A.	Member of the Scientific Council of the Institut Laue Langevin
SF3	Abromeit, C.	Member of the international programm committee, XVth Intern. Conf. on Physics of Radiation Phenomena and Radiation Material Science
SF3	Wanderka, N.	Member of the international steering committee of IFES society
SF3	Wiedenmann,A.	Member of Experiment Selection Panel, Laboratoir Leon Brillouin(France)
SF3	Wiedenmann,A.	Member of ESS Instrumentation committee
SF3	Wiedenmann,A.	Member Instrumentation advisory board ANSTO /Australia
SF3	Wiedenmann,A.	IAEA Reseach Co/ordination on SANS
SF4	Busse, W.:	Member of the EPCS-Board (EPS Interdivisional Group of Experimental Physics Control Systems)
SF4	Busse, W.:	Member of the International Scientific Advisory Committee of the Conference Series " International Conference on Accelerator and Large Experimental Physics Control Systems (ICALEPCS'2002) "
SF4	Denker, A.:	Second National Representative on Germany in the Intereuropean Project "COST-Aktion G8: Non-Destructive Testing on Museums Objects"
SF4	Homeyer, H.:	Member of the TESLA Advisory Committee of the "Information Meetings on the TESLA Accelerator Installation"
SF4	Klaumünzer, S.:	Member of the International Scientific Committee of the Symposium "Swift Heavy

		Ions in Matter (SHIM 2002)"
SF4	Klaumünzer, S.:	Member of the NuPECC Working Group "Atomic and Condensed Matter Physics"
SF4	Kluge;H.	Member of the “Proton Therapy Cooperative Group (PTCOG)“
SF4	Schiwietz, G.:	Member of the International Committee of the "International Conference on Atomic Collissions in Solids (ICACS)"
SF4	Schiwietz, G.:	Member of the International Committee of the Conference "Swift Heavy Ions in Matter (SHIM)"
SF4	Schiwietz, G.:	Member of the Editorial Board des Journals "Nuclear Instruments and Methods in Physics Research, Section B: Beam Interactions with Materials and Atoms (NIM-B)"
SF4	Sielemann, R.:	Member of the Editorial Board der Zeitschrift "Hyperfine Interactions"
SF4	Stolterfoht, N.:	Member of the International Advisory Board of the Advanced Studies Institute, Washington DC, Ma, USA
SF4	Sulik, B.:	Advisory Committee ot the 11th International Conference on Highly Charged Ions, 1.-6. September 2002, Caen (France)
SF5	Eichler, J.	Mitglied des Wissenschaftlichen Beirats des Magnus-Hauses der Deutschen Physikalischen Gesellschaft
SF5	Eichler, J.	Member of the Editorial Board, Physics Reports (Elsevier, Amsterdam, NL)
SF5	Frey, E.	Member of the Management Committee of the COST PI program on „Soft Condensed Matter“
SF5	Frey, E.	Leiter eines Projektes im SFB 413 angesiedelt an der LMU München
SF5	Frey, E.	Leiter eines Projektes im Schwerpunkt „Molekulare Motoren“ der DFG
SF6	Behne, D.	Ausschuss des Klinisch-Biochemischen Forschungsverbundes (KBF)
SF6	Behne, D.	Member of the Scientific Committee of the Conference Series “Nuclear Analytical Methods in the Life Sciences” (NAMLS)
SF6	Behne, D.	Member of the Parent Committee of the Conference Series “Trace Elements in Man and Animals” (TEMA)
SF6	Behne, D.	Member of the International Scientific Committee of the Conference ”Nuclear Analytical Methods in Ecology and Medicine”
SF6	Behne, D.	Lenkungsausschuss des HGF-Forschungsverbundes Gesundheit
SF6	Richarz, A.-N.	Editorial Assistant of the Journal of Trace Elements in Medicine and Biology
SF7	von Oertzen, W.	Programm advisory committee of Institut de Recherches Subanatomie (Ires), Strasbourg (F), chairman
SF7	von Oertzen, W.	Conseil Scientifique du Departement (CSD), Physique nuecléaire et corpusculaire, CNRS (F), Mitglied (doyen d’ âge)
SF7	von Oertzen, W.	Vice-chairman, Nuclear Physics Board of EPS
SF7	von Oertzen, W.	Chairman, Lise Meitner Prize committee of EPS

Organization of Conferences and Meetings

Dep.	Name	Function	Type	Title	Date/Location
SE1	Fuhs, W.	Advisory Comittee		Int. Conf. on Amorphous and Microcrystalline Semiconductors (ICAMS)	
SE1	Fuhs, W.	Advisor		Material Research Society – Symposium „Amorphous and Heterogeneous Silicon Thin Films“	
SE1	Nickel, N.H.	Program Comittee		EMRS Symposium „Thin Films for Large Area Electronics“	
SE2	Ennaoui, A.	International. Steering Committee	Conference	World Renewable Energy Conference VII	29.06.-05.07. 2002 Cologne
SE2	Lux-Steiner, Siebentritt	Organizing Committee	Conference	International Conference on Metalorganic Vapour Phase Epitaxy (ICMOVPE XI)	3.-7.6.2002, Berlin
SE2	Schedel-Niedrig, Th.	Organizing Committee	Workshop	International Workshop on Photovoltaic 2002	30.-31.5.2002, Ispra, Italien
SE5	Ellmer, K.	Organizing Committee	Workshop	3. TCO-Workshop	16.-17. 9. 2002, Jülich
SF1	Mezei, F	International Program Committee	Conference	International Conference on Neutron Scattering 2001	2001, München
SF1/ SF7	Mezei, F.; Gebauer, B., Gutberlet, T., Wilpert, T	Organizing Committee	Workshop	Int. Workshop on Position-Sensitive Neutron Detectors (PSND)	28.-30.6.2001, Berlin
SF2	Argyriou, D.N.	Program Committee	Conference	National Round table on Orbital Physcis	30.-31.10.2002, Berlin
SF2	Graf, H.A.	International Advisory Committee	Conference	Single Crystal Neutron Spectroscopy (SCNS)	12.-14.12.2002, Grenoble
SF3	Abromeit, C.	Organisation of the workshop	Conference	Technical Workshop WP7 Phase Stability of the ITEM Project	22. – 23.07.2002 HMI, Berlin
SF3	Wanderka, N.	Chairman of sessions	Conference	48th IFES 2002	07. – 11.07.2002 Lyon, France
SF3	Wanderka, N.	Chairman of sessions	Conference	ISMANAM 2002	08. – 12.09.2002 Seoul, Korea
SF3	Wiedenmann A.	Organizing Committee, Chairman	Workshop	4. Ferrofluid Workshop	03. – 05.07.2002 Berlin
SF3	Wiedenmann A.	Chairman of sessions	Conference	ISMANAM 2002	08. – 12.09.2002 Seoul, Korea
SF3	Wiedenmann A.	Chairman of sessions	Conference	Small Angle Scattering 2002	28.08.2002, Venice, Italy
SF3	Wiedenmann A.	Chairman of sessions	Conference	PNCMI 2002	17.10.2002, Jülich
SF3	Wiedenmann A.	Chairman of sessions	Conference	6th All Russian Conf. Ultra-dispersed Systems	19. 23.08.2002, Tomsk, Russia
SF4	Homeyer, H.	Organizing Committee	Conference Series	International Conference on Cyclotrons and their Applications	
SF4	Schiwietz, G.	Organizer	Workshop	Ionenspuren in Festkörpern	5.4.-6.4.2002
SF4	Schiwietz, G.	International and Programme Committees	Conference Series	International Conference on Atomic Collisions in Solids (ICACS 20)	19.1.-24.1.2003
SF4	Stolterfoht, N.	Chairman of the Organizing Committee	Seminar	International Seminar for Ion-Atom Collisions (ISIAC XVIII), Stockholm (Sweden)	29.7.– 1.8.2003
SF6	Behne, D.	Co-Organization	Conference	7th International Conference on Nuclear Analytical Methods in the Life Sciences	Antalya, Turkey, 16.-21.06.2002

SF6	Kyriakopoulos, Graebert, A., Kühbacher, M., Weseloh, G.	Organization	Conference	Berliner Herbsttagung “Metalloproteine und Metalloidproteine	Berlin, 28.-29.11.2002,
SF7	von Oertzen, W.	Organizing Committee	Workshop	Experten-Treffen, Verbundforschung (BMBF) Hadronen und Kerne, Schleding (D),	February 28-March 7, 2002
SF7	von Oertzen, W.	Organizing Committee	Seminar	284th WE-Heraeus Seminar, From light Exotic to Superheavy Nuclei, Rauischholzhausen (D),	August 5-9, 2002
SF7	von Oertzen, W.	Organizing Committee	Conference	EPS-12, General Physics conference of the EPS, Budapest (HU),	August 26-30, 2002
SF7	von Oertzen, W.	Organizing Committee	Conference	Nuclear Structure with large Gamma-detector arrays (NS2002), Legnaro (I),	September 23-27, 2002

Contributions to Exhibitions / Fairs / Events

Dep.	**Type**	Title
all	Event	Lange Nacht der Wissenschaften, Berlin 15.6.2002
SE1	Event	Tage der Forschung, Berlin-Adlershof, 13.9.2002
SE2	Fair	Solar Energy, Berlin, June 2002
SE3	Fair	Solar Energy, Berlin, June 2002
SF2	Fair	Science Fair 2002, Berlin, 13.-15.6.2002
SF3	Fair	Hannover Messe, HGF -Stand, 15.-19.04.2002

Guests

Dep/Project	Name	Home Institution	Funding	Time of Stay
SF2	Dr. K. Flachbart,	Institut für Experimentalphysik, Slowakische Akademie der Wissenschaften, Kosice/Slowakei	apl	18.08.-22.09.2002
SF2	Prof. Dr. H.-J. Mikeska,	Universität Hannover	apl	01.10.-31.10.2002, 11.-13.11.2002, 02.-11.12.2002
SF2	Prof. Dr. D. Arvanitis,	University of Uppsala	apl	16.-20.10.2002
SF3	Kuznetsov, A.	Institute of Metal Physics, Ekaterinburg, Russia		01.04. – 30.06.2002, 01.10. – 31.12.2002
SF3	LaGrange, T.	EPFL Lausanne, Switzerland		23.04. – 26.04.2002
SF3	Lazarev, N.	Kharkov Institute of Physical Technology, Kharkov, Ukraine		21.05. – 30.05.2002
SF3	Matsumura, S.	Dept. of Applied Quantum Physics and Nuclear Engineering, Kyushu University, Japan		05.08. – 10.08.2002
SF3	Rudichev, Y.	Kharkov Institute of Physical Technology, Kharkov, Ukraine		13.01. – 17.03.2002
SF3	Sahoo, K.L.	Materials Processing Division, National Metallurgical Laboratory, Jamshedpur, India		08. – 16.04.2002
SF4.01a	Dr. P.Aleagonkar	Pune University, India^		10.6.-1.12.02
SF4.01a	Prof. A. Berdinski	Novosibirsk State Technical University, Novosibirsk	HMI	31.7.-14.9.02
SF4.01b	Dr. B. Cekic	VINCA, Institute for Nuclear Sciences, Belgrade, Yugoslavia	HMI	22.9.-25.9.02
SF4.01a	Dr. R.C. Fadanelli Filho	UFRGS, Porto Alegre, Brazil	DAAD+ CAPES(Brazil)	7.1.-6.2.02
SF4.01a	Prof. P. Grande	UFRGS, Porto Alegre, Brazil	DAAD+ CAPES(Brazil	1.11.01-1.3.02
SF4.01b	Dr. N. Ivanovic	VINCA, Institute for Nuclear Sciences, Belgrade, Yugoslavia	HMI	23.10.-30.10.02
SF4.06	Dr. T. La Grange	EPH Lausanne, Switzerland	HMI	23.4.-28.4.02
SF4.01b	Dr. N. Novakovic	VINCA, Laboratory for Nuclear and Plasma Physics, Belgrade, Yugoslavia	HMI	24.11.-27.11.02
SF4.01b	Dr. M. Prandolini	FU Berlin, Germany	DFG	1.7.02-31.7.03
SF4.01a	Dr. B. Sulik	Institute of Nuclear Research (ATOMKI), Debrecen, Hungary	WTZ Ungarn-Deutschland	1.8.01-31.7.02 und 21.10.-31.12.02
SF4.01a	Dr. H. Trinkaus	Forschungszentrum Jülich, Germany	HMI	18.8.-31.8.02
SF4.01b	Prof. W. Witthuhn	Friedrich-Schiller-Universität Jena, Germany	HMI	10.6.-18.8.02
SF5.Soft Matter	Prof. M.C. Marchetti	Syracuse University, Syracuse, USA		27.6.-3.7.02
SF5.Soft Matter	Prof. S. Ling	Brown University, Providence, USA		2.-3.6.02, 26.1.98-31.12.02
SF5.Soft Matter	Prof. R. Pick,	Université Pierre et Marie		29. 4. 02

		Curie, Paris, France		
SF5.Soft Matter	Prof. J. Stöhr,	Stanford University, Calif., USA		10. 6. 02
SF5.Soft Matter	Prof. E. Bodenschatz,	Cornell University, N.Y., USA		24. 6. 02
SF5.Soft Matter	Prof. H. Levine,	UCSD, Calif., USA		8. 7. 02
SF5.Soft Matter	Dr. C. Masciovecchio,	Elettra, Trieste, Italy		3. 11. 02
SF5.Soft Matter	Prof. S. Egelhaaf,	University of Edinburgh, Scotland		9. 12. 02
SF5.Hard Matter	Dr. K. Rakhimov,	University of Taschkent, Usbekistan, DAAD-NATO Fellowship		17.6.-16.9.02
SF5.Hard Matter	Prof. V.M. Shabeev,	University of St. Petersburg, Russia;		5.-8.5.02; 15.11.-15.12.02
SF5.Hard Matter	Dr. A. Artemyev,	University of St. Petersburg, Russia;		5.-8.5.02; 15.11.-15.12.02
SF5.Hard Matter	Dr. Th. Beier	GSI Darmstadt		5.-8.5.02; 15.11.-15.12.02
SF5.Hard Matter	Prof. J. Blatter	ETH Zürich, Switzerland		21. 1. 02
SF5.Hard Matter	Prof. P. Leiderer	Universität Konstanz		28. 1. 02
SF5.Hard Matter	Prof. J. von Delft	LMU München		4. 2. 02
SF5.Hard Matter	Prof. S. Ling	Brown University, R.I., USA		3.6.02
SF5.Biological Physics	Dr. M. Keller	E22, TU München		4.-7.2.02; 20.-23.5.02
SF5.Biological Physics	Prof. C. Schmidt	Vrije Universiteit, Amsterdam, The Netherlands		21.6.02
SF5.Biological Physics	Prof. E. Sackmann	TU München		6. 5. 02
SF5.Biological Physics	Prof. F. Amblard	Institut curie et CNRS, Paris, France		21. 10. 02
SF6.Analysis	Berger, A.	BAM Berlin		
SF6.Analysis	Bernhard, A.	HU Berlin		
SF6.Analysis	Bukalis, K.	Uniwersitet w Bialymstoku, Polen		
SF6.Analysis	Friesen, N.	Heinrich-Heine-Universität, Düsseldorf		
SF6.Analysis	Rekittke, J.	FU Berlin		
SF7.02	Balykov, Lev N.	Institute for Physics of Microstructures RAS, Rußland	EU-TECHNI	05.09.00 – 04.09.02
SF7.02	Wang, Bing	Department of Surface Engineering, Institute of Metal Research, Chinese Academy of Sciences, China		06.02.02 – 05.08.02
SF7.02	Levtchanovskii, Feodosii V.	FLNP, Joint Institute for Nuclear Research, Dubna (Rußland)	HMI	15.04.02 – 28.04.02, 03.08.02 – 17.08.02, 09.12.02 – 22.12.02
SF7.02	Nikiforov, Alexander	Joint Institute for Nuclear Research, Dubna (Rußland)	HMI	15.04.02 – 28.04.02, 03.08.02 – 17.08.02, 09.12.02 – 22.12.02
SF7.02	Litvinenko, Elena I.	FLNP, Joint Institute for Nuclear Research, Dubna (Rußland)	HMI	27.05.02 – 06.06.02
SF7.02	Prikhodko, Valentin I.	FLNP, Joint Institute for Nuclear Research, Dubna (Rußland)	BMBF	27.05.02 – 06.06.02, 23.10.02 – 31.10.02
SF7.02	Shashkin, Vladimir I.	Institute for Physics of Microstructures RAS, Rußland	HMI	02.06.02 – 09.06.02
SF7.01	Kokalova, Tzanka	Bulgaria	DAAD/HMI	01.01.02 – 03.12.02
SF7.01	Torilov, Sergej	St. Petersburg University, Russia	BMBF/FU	01.01.02 – 31.08.02
SF7.01	de Angelis, Giacomo	LNL Padua, Legnaro,Italy	AVH	01.07. 02 – 30.09.02
SF7.01	Milin, Matko	Rudjer Boskovic Institute,	EUROBALL/	01.01.02 – 06.02.02

		Zagreb	BMBF/FU	
SF7.01	Avrigeanu, Marilena	"Horia Hulubei" Nat. Inst. Of Physics and Nuclear Engineering, Bukarest, Romania	EUR ATOM	01.10.02 – 31.12.02
SF7.01	Alexandrov, Alexander	FLNR, JINR-Dubna, Russia	BMBF/FU	01.07.02 – 30.09.02
SF7.01	Alexandrova, Irina	FLNR, JINR-Dubna, Russia	BMBF/FU	01.07.02 – 30.09.02
SE1.cells	Saleh, Rosari (Dr.)	University of Djakarta, Indonesia	HMI	13.5.-12.7.02
SE1.cells	Kytin, Vladimir (Dr.)	Lomonossov-University, Moscow, Russia	HMI	15.6.-20.7.02
SE1.cells	Sendova-Vassileva, Marushka (Dr.)	Central Laboratory for Solar Energy and New Energy Sources, Bulgarian Academy of Sciences, Sofia, Bulgaria	HMI	24.11.-7.12.02
SE1.hetero	Yahyaoni, Fatima Zahra	Université Ibn Tofail, Faculté des Sciences, Morocco	DAAD	1.1.-31.12.02
SE1.hetero	Dittrich, Thomas (Dr.)	Technische Universität München	HMI	1.9.-30.9.02
SE1.hetero	Fahoume, Mounir (Dr.)	Université Ibn Tofail, Faculté des Sciences, Morocco	HMI	1.9.-31.10.02
SE2.Semico	S. Doka, S.	Kamerun	DAAD	01.10.02-30.09.03
SE2.Chemistry	Sankapal, B. (Dr.)	Shivaji University, Kolhapur, India	HMI	03.01.02-31.03.02
SE2.Analytics	Ishii, K.	Japan	HMI	01.10.01-30.09.02
SE2.Semico	Moorthy Babu, S. (Dr.)	Anna University, Crystal Growth Centre, Madras, Indien	AvH	01.11.01-31.10.02
SE4	Umapathy, Siva (Prof.)	Indian Institute of Science, Bangalore, India		1.July - 31.September 2002
SE4	Soumyakanti, A. (Dr.)	Babha Atomic Research Center, Mumbai, India		1.March-30.April 2002
SE4	Karolczak, S. (Dr.)	TU Lodge, Poland		9.September-2.October 2002
SE5.Interfaces	Prof. M. Aggour	Université Ibn Tofail, Marokko		19.7.-19.10.2002

Co-operation Partners

U?: Classification of partners:

U	University
R	**Research Insitution outside university**
I	**Industry**

C?: + : contract, – : no contract

Dep.Project	U?	C?	Partner	Topic
SE1.cells	U	-	North Carolina State University, Raleigh (USA)	Plasmadeposition (c)
SE1.cells	U	-	Universität Erlangen	Struktur kristalliner Si-Filme (c)
SE1.cells	U	-	Universität Marburg	PECVD-Deposition und Charakterisierung (non)
SE1.cells	U	-	Hunboldt Universität Berlin	Defekte in poly-Si-Filmen (non)
SE1.cells	U	-	Universität Leuven, Belgien	Metallinduzierte Kristallisation (c)
SE1.cells	U	-	Technische Universtität Wien (Österreich)	Struktur von poly-Si (c)
SE1.cells	R	-	A. F. Ioffe Institut St. Petersburg (Russland)	Nano-, mikro- und polykristallines Silizium
SE1.cells	R	-	IPV-Forschungszentrum Jülich	Materialforschung a-Si:H und µc-Si:H; Vernetzungsprojekte BMBF
SE1.cells	R	-	IPHT Jena	Laserkristallisierte Si-Schichten; BMWi-Projektunterauftrag
SE1.cells	R	-	IMEC Belgien	Homoepitaxie von Silizium;; EU-Projekt (Meteor)
SE1.cells	R	-	ISAS Berlin	Charakterisierung von nass-chemisch präparierten Si-Grenzflächen (non)
SE1.cells	R	-	Bundsamt für Materialforschung (BAM) Berlin	Strukturforschung von Siliziumfilmen (non)
SE1.cells	I	+	PARC (Palo Alto Research Center), Palo Alto (USA)	H-Passivierung und Transport
SE1.cells	I	+	FAP Dresden	Depositionstechnologie
SE1.hetero	U	-	Lomonossov-Universität Moskau (Russland)	Elektrochemische Oberflächenpräparationen (non)
SE1.hetero	U	-	TU Berlin, Institut für Festkörperphysik	Prozesscharakterisierung an Silizium-Oberflächen (non)
SE1.hetero	U	-	Technische Universität München	Halbleiter/Elektrolyt-Kontakt (non)
SE1.hetero	U	-	Friedrich-Schiller-Universität Jena	RBS-Analytik (c)
SE1.hetero	U	-	TU Hamburg-Harburg	Rekristallisierte SiC/Si Dünnschichtsolarstrukturen (c)
SE1.hetero	U	-	Universität Stuttgart, Institut für Physikalische Elektronik	a-Si/c-Si-Heterostrukturzelle (c)
SE1.hetero	U	-	Fern-Universität Hagen	a-Si/c-Si-Heterostrukturzelle (c)
SE1.hetero	U	-	Universität Oldenburg, FB Physik	a-Si/c-Si-Heterostrukturzelle (c)
SE1.hetero	U	-	RWTH Aachen	a-Si/c-Si Heterostrukturzelle (c)
SE1.hetero	U	-	TU Chemnitz	Nass-chemische Präparation und Charakterisierung von Si-Grenzflächen (non)
SE1.hetero	I	+	DaimlerChrysler AG, Forschungszentrum Ulm	Bauelemente-Technologie
SE1.hetero	I	+	Centrum für Intelligente Sensorik (CIS) Erfurt	a-Si:H/c-Si Heteroemitter-Solarzellen
SE1.hetero	I	+	Q-Cells AG, Thalheim	Material- und Zellencharakterisierung
SE1.hetero	I	-	Samsung, Korea	Organic emitter preperation

SE2.Analytics	U	+	Universität Würzburg, Experimentelle Physik II, (Prof. Dr. E. Umbach, Dr. C. Heske), Germany	„Synchrotron-Diagnostik“
SE2.Analytics	R	+	BESSY Berlin, GmbH, Germany	„Synchrotron-Diagnostik“
SE2.Analytics	R	+	Institut für physikalische Elektronik, Universität Stuttgart, Institut für Werkstoffwissenschaften, Universität Erlangen, Zentrum für Solarenergie-und Wasserstoff-Forschung, Stuttgart, Institut für Solarenergieforschung Hameln/Emmertal, CvO-Universität Oldenburg, Institut für Materialwissenschaften, Technische Universität Darmstadt	„Spannungsoptimierung von II-VI-Dünnfilmsolarzellen – Hochspannungsnetz“
SE2.Analytics	R	+	IMEC, Leuven, Belgium, University of Hamburg, Germany, IMM, Catania, Italy, KTH, Stockholm, Sweden, IHP, Frankfurt (Order), Germany, ETH, Zurich, Switzerland, University of Tel-Aviv, Israel,	“High resolution electrical characterization of ULSI and advanced semiconductor devices”
SE2.Analytics	R	-	Universität Linz, Austria	“Work function measurements on organic semiconductors”
SE2.Analytics	I	+	Shell Solar GmbH, Munich, Germany	„Synchrotron-Diagnostik“
SE2.Analytics	I	+	OMICRON Nanotechnlogy, Taunusstein, Germany	“Kommerzialisierung einer Kelvin-Elektronik”
SE2.Analytics	I	+	Philips, Eindhoven, The Netherlands, Infineon, Munich, Germany	“High resolution electrical characterization of ULSI and advanced semiconductor devices”
SE2.Chemistry	U	-	University Mohamed , Morocco (Rabat), University IbnTofail, Morocco (Kenitra)	“ Pôle de Compétence Matière condensée“
SE2.Chemistry	R	+	GKSS, Teltow;	“membrane coating”
SE2.Chemistry	R	+	BAM, Berlin, Germany;	“analysis of fluorescence markers”
SE2.Chemistry	R	-	Interphases Research , California USA	“CBD-Buffer and Absorber Layers”
SE2.Chemistry	I	+	Shell-Solar GmbH, Munich, Germany	“Development of Cd-free buffers for CIGSSe solar cells.”
SE2.Chemistry	I	+	Company must not be mentioned according to Non-Disclosure-Agreement, Germany;	“Photovoltaics”
SE2.Chemistry	I	+	ATOTECH	
SE2.Chemistry	I	-	Shell Solar GmbH, Munich	“CBD-Buffer-Schichten”
SE2.Chemistry	I	-	Atotech Deutschland GmbH	“Galvanische Abscheidung von Absorber-Schichten”
SE2.Chemistry	I	-	IRIS GmbH, Berlin, Germany;	“IR-sensors“
SE2.Contacts	U	+	University of Hull, University of Ljubljana, Utrecht University, Warsaw University	"PV roadmap for Europe"
SE2.Contacts	U	-	Uppsala University	"Buffers for chalcopyrite solar cells"
SE2.Contacts	U	-	Ecole Centrale Paris	"Buffers for chalcopyrite solar cells"
SE2.Contacts	U	-	University of Nantes	"Buffers for chalcopyrite solar cells"
SE2.Contacts	R	+	ECN/Petten, CEA/Paris, IMEC/Heverlee	"PV roadmap for Europe"
SE2.Contacts	R	-	CIEMAT, Madrid	"Buffers for chalcopyrite solar cells" "PV roadmap for Europe"
SE2.Contacts	I	+	Shell Solar, Munich	"Buffers for $Cu(In,Ga)(Se,S)_2$ solar cells" "PV roadmap for Europe"
SE2.Contacts	I	+	Würth Solar, Marbach	"Buffers for chalcopyrite solar cells" "PV roadmap for Europe"
SE2.Contacts	I	+	Sulfurcell, Berlin	"Buffers for chalcopyrite solar cells"
SE2.Contacts	I	+	Teksolar, Woking	"PV roadmap for Europe"
SE2.Contacts/Semico	U	-	ETH Zürich	"chalcopyrite solar cells"

SE2.NovelConcepts	U/R	+	FhG-IWS Dresden, Uni Göttingen, GSI Darmstadt, Uni Wuppertal	„Leitende Ionenspuren in isolierenden Matrizen für Feldemission“
SE2.NovelConcepts	U/R	+	Uni Maynooth (Irland), Uni Dortmund, NMRC Cork (Irland)	„QIPD-DF“
SE2.NovelConcepts	U/R	+	FhG-ISE Freiburg, Uni Oldenburg, TU Dresden,	„Organische Solarzellen“
SE2.NovelConcepts	U	+	TU Darmstadt	„Fullerene als Atomfallen“
SE2.NovelConcepts	R	+	FhG-ISE Freiburg, FhG-IAP Golm	„Polymere Solarzellen“
SE2.NovelConcepts	R	-	Tallin Technical University, Estland	„ETA cells"
SE2.Semico	U	+	University of Stuttgart	"Widegap chalcopyrites"
SE2.Semico	U	+	University of Oldenburg	"Widegap chalcopyrites"
SE2.Semico	U	+	University of Darmstadt	"Widegap chalcopyrites"
SE2.Semico	U	+	University of Erlangen	"Widegap chalcopyrites"
SE2.Semico	U	-	TU Berlin	"Raman an Chalkopyriten", "PL an Chalkopyriten"
SE2.Semico	U	-	TU Athens	"Raman and PL at chalcopyrite surfaces"
SE2.Semico	R	+	ISFH, Hameln	"Widegap chalcopyrites"
SE2.Semico	I	+	AIXTRON, Aachen	„Entwicklung einer neuen Dünnschichttechnologie für die Photovoltaik: Technische Umsetzung des CCSVT-Verfahren am Beispiel des $Cu(In,Ga)Se_2$-Solarzellenbasis-Materials "
SE2.Semico/Contacts	R	+	ZSW, Stuttgart	"chalcopyrite solar cells" "PV roadmap for Europe"
SE3.01a	U	+	Cottbus	„Elektronenspektroskopische Untersuchung von KCN-geätzten $CuInS_2$ Oberflächen“
SE3.01b	U	-	Barcelona	“In-situ Raman studies on the sulfurization of CuIn precursor layers”
SE3.01b	I	+	Q-cells	„Encapsulation of Si-solar cells“
SE3.01c	U	-	Potsdam, Prof. Pietsch	„Energy dispersive in-situ XRD studies on the sulfurization of CuIn precursor layers“
SE3.01c	R	+	GIF German-Israeli Foundation for Scientific Research & Development, Weizmann Institute of Science	„Electric-field induced junction formation in chalcopyrite thin films“
SE3.01c	I	+	Contraves	“Study thin-film CIS”
SE3.01c	I	+	Dutch Space	„Solar cell for space application“
SE4.cells	U, R	-	University: UCLA, Los Angeles, IIS, Bangalore, FHI, Berlin	„ Raman und IR an Oberflächen“
SE4.cells	U	+	TU Berlin, HU Berlin, FU Berlin	„Hot Carrier Dynamics“
SE4.cells	U	+	Rutgers University, Newark, Univ. College, Dublin	Projekt: Molekülsynthese
SE4.cells	U	-	Uni Braunschweig	„III-V on Si“
SE4.cells	U	-	FU Berlin, LMU München	“Ultrafast Laserspectroscopy”
SE4.cells	R, I	+	AIXTRON, MOCHEM. ISE	“Indufert”
SE4.cells	R	+	ISE	„III–V Solarzellen“
SE4.cells	I, U	+	IPAG, Uni Duisburg	“III-V Multilayer Structures”
SE4.cells	I	-	LAYTEC	„RDS/RAS Spektrometerentwicklung“
SE5. Energetics	U	+	University of Paris XIII e.a.	COST D19 Project: Supported semiconductor nanosized catalysts for photo-chemical organic pollutant degradation

SE5. Energetics	U	-	Mendel University Brno of Agriculture and Forestry (Dr. J. Cermak)	Solar Energy Conversion via Tensile Water in Trees
SE5. Energetics	I	+	DaimlerChrysler Ulm	Development of noble metal free catalysts
SE5. Energetics	I	+	Bionik Systeme (Dr. U. Küppers) Bremen	Lifepacking: Bionische Verpackungen für eine nachhaltige Materialwirtschaft
SE5. Energetics	I	-	Millenium Inorganic Chemicals SA	Investigations of TiO_2 powders
SE5.Energetics	U	-	Ruhr-Universität Bochum, AG Experimentalphysik/Gaselektronik	Plasma characterization
SE5.Interfaces	U	+	Austauschprogramm HMI/TU-Berlin/North Carolina State University (Raleigh, USA)	
SE5.Interfaces	U	-	Prof. M. Aggour, Université Ibn Tofail, Marokko	Elektrochemie an $CuInS_2$ und Si
SE5.Interfaces	U	-	Dr. P. A. Cox, University of Portsmouth	DFT-Berechnungen für PES-Messungen bei BESSY II
SE5.Interfaces	U	-	Dr. S.A. Campbell, University of Portsmouth	Rastersondenmikroskopie an texturierten Halbleiteroberflächen
SE5.Interfaces	R	-	Prof. K. Jacobi, Fritz-Haber-Institut Berlin	HREELS-Untersuchungen an photoelektrochemisch präparierten n-Si-Proben
SE6,	U	+	TU-Darmstadt	CRG-BESSY
SE6,	U	+	BTU Cottbus	CRG-BESSY
SF1.	R	+	Members of project SCANS (Software for Computer Aided Neutron Scattering)	RTD network
SF1.	R	+	FZ-Jülich	Design of a neutron spin echo instrument for SNS
SF1.	R	-	Penn State University	IDL version for VITESS graphical interface
SF1.	R	-	ANL, Argonne	Monte Carlo Simulation of a Pulsed-Source Time-Focused Crystal Analyzer Spectrometer
SF1.	R	-	LLB CEA-Saclay and ISIS Facility	Ultra-High Resolution Powder Diffractometer at LPTS at ESS
SF1.	R	-	ANL, Argonne	MC simulations of SXD for data evaluation
SF1.	R	-	FZ-Jülich	MC Simulation of Neutron Speed Echo Spectroscopy at Pulsed Neutron Sources
SF1.	R	-	FZ-Jülich	MC Simulation of Neutron Spin Echo with Foils
SF1.	R	-	LLB CEA-Saclay	MC simulation for the remodelling of the 7C2 diffractometer for liquids and amorphous solids
SF1.BENSC	I	+	ANSTO, Sydney	„Neutronenoptische Bauelemente"
SF1.BENSC	R	+	Institut für Festkörperphysik, TU Darmstadt	
SF1.BENSC	R	+	MPI für Kolloid und Grenzflächenforschung, Golm b. Potsdam	
SF1.BENSC	R	-	MPI für Festkörperphysik, Stuttgart	"Konstruktion und Weiterentwicklung von HF-Spinflippern"
SF1.BENSC	R	-	MPI für Festkörperphysik, Stuttgart	"Konstruktion und Weiterentwicklung von HF-Spinflippern"
SF1.BENSC	R	-	ANSTO, Sydney	"Quasi-elastic neutron scattering study of constrained water in hydarated cement pastes"
SF1.BENSC	R	-	MPI für Infektionsbiologie, Berlin	"What is an anti inflammatory protein doing in Shigella flexneri?"
SF1.BENSC	R	-	Solid State Division - ORNL, Oak Ridge	"Molecular magnetism"
SF1.BENSC	R	-	GDPC – Université Montpellier II, Montpellier	"Dynamics of small polypeptides"

SF1.BENSC	I	+	ANSTO, Sydney	„Neutronenoptische Bauelemente"
SF1.BENSC	I	+	NOB Neutron Optics Berlin GmbH, Berlin	„Neutronenoptische Bauelemente"
SF1.BENSC	I	-	Sony International (Europe) GmbH, Materials Science Laboratories	"Vapour Sorption in Self-Assembled Gold Nanopartcle/Polymer Films"
SF1.Dynamics	U	+	Iwan-Stransi-Institut, TUB, Berlin	"Scientific and technical cooperation in the field of neutron scattering"
SF1.Dynamics	U	+	TU Dresden	"Scientific and technical cooperation in the field of inelastic neutron scattering"
SF1.Dynamics	U	+	TH Darmstadt	"Scientific and technical cooperation in the field of inelastic neutron scattering"
SF1.Dynamics	U	-	University of San Sebastian, Spain	"Polymer glasses"
SF1.Dynamics	R	+	MPI-KGF, Golm	"Scientific and technical collaboration on research in the field of surfaces and thin films with neutron scattering"
SF1.Dynamics	R	-	Institut Laue-Langevin, Grenoble, France	"Dynamics in spin glasses"
SF1.Methods	R	+	Budapest Neutron Center, Budapest, Hungary	"Time-of-flight monochromator and neutron radiography"
SF1.Methods	R	+	ITEP, Moscow	„T-odd Korrelation"
SF1.Methods	R	+	RRC Kurchatov Institut, Moscow	"Investigation of the interaction of UCN and surfaces"
SF1.Methods	R	-	KEK, Japan	"UCN He-II source"
SF1.Methods	R	-	Harvard, Los Alamos, NIST, USA	"Magnetic trapping of the UCN"
SF1.Methods	R	-	Los Alamos, EDM collaboration, USA	"Neutron EDM"
SF1.Spallation	R/U	-	FZJ, Jülich, GANIL, Caen, Univ. of Warschau, Univ. of Rochester	„NESSI-experiment at COSY: Investigation of spallation reactions"
SF1.Spallation	R	+	ISIS, Oxford, UK	"SCANS – Software for computer aided neutron scattering"
SF1.Spallation	R	-	Los Alamos National Laboratory, Los Alamos	"Spallation sources and their instrumentation"
SF1.Spallation	R	-	FZ Jülich	"The European Spallation Source Project ESS"
SF1.Spallation	R	-	Max Born Institut, Berlin	"Interactions of intensive laser fields and matter"
SF2.BENSC	R	+	ILL, Grenoble, Frankreich; ISIS,Didcot, Großbritannien	„Development of better polarised neutron instrumentation for fundamental and applied research"
SF2.BENSC	R	+	FZ Jülich	„Development of better polarised neutron instrumentation for fundamental and applied research"
SF2.Bulk magnetism	U	-	Prof. T. Ishida, Prof. T. Nogami, Univ. of Electro-Communication, Tokyo, Japan	
SF2.Bulk magnetism	U	-	Prof. P. Rabu, Institut de Physique et Chimie des Matériaux, Univ. Louis Pasteur Strasbourg, France	
SF2.Bulk magnetism	U	-	Prof. J. Li, Rutgers University, Camden, New Jersey, USA	
SF2.Bulk magnetism	U	-	Dr. S. Süllow, Dr. H.-H. Klauss, IMNF, TU Braunschweig	
SF2.Bulk magnetism	R	-	Dr. J. L. Manson, Oak Ridge National Laboratory	
SF2.Thin films	U	-	FU Berlin, Prof. W.D. Brewer et al.	
SF2.Thin films	U	-	Uni Sao Paulo, Prof. S. Frota-Pessoa et al.	
SF3.Microstructure	R	-	CEA Grenoble, France	Diffusion in and viscosity of the melts of metallic glass alloys

SF3.Microstructure	U	+	Humboldt Universität Berlin, Institut für Physik, Kristallographie	Strukturelle und chemische Gradienten in kriechverformten Superlegierungen (DFG)
SF3.Microstructure	R	-	Institut de Génie Atomique, Dépt. de Physique, EPFL Lausanne, Switzerland	Stability of ordered intermetallic phases
SF3.Microstructure	R	-	Institut für Festkörper- und Werkstoffforschung, Dresden	Struktur langzeitrelaxierter metallischer Massivgläser
SF3.Microstructure	R	-	Institute of Metal Physics of the Russian Academy of Sciences, Ural Division, Ekaterinburg, Russia	Computer simulations of phase transitions under non-equilibrium conditions (bi-lateral agreement)
SF3.Microstructure	R	-	Kharkov Institute for Physics and Technology, Kharkov, Ukraine	Heterogeneous structures in alloys (NATO)
SF3.Microstructure	R	-	National Metallurgical Laboratory, Jemshedpur, India	Production and characterization of Al-based metallic glasses
SF3.Microstructure	U	+	Technische Universität Braunschweig, Institut für Materialforschung	Untersuchung der Phasenumwandlungen und Korngrenzenchemie von Inconel 706 mittels 3-dimensionaler Atomsonde: Erarbeitung von Grundlagenkenntnissen und Ansätzen zur Werkstoffoptimierung (DFG)
SF3.Microstructure	U	+	Technische Universität Berlin, Institut für Metallische Werkstoffe	Diffusion in mehrkomponentigen Metallschmelzen (DFG)
SF3.Light-Weight Materials	R	-	ALM GmbH, Saarbrücken	Metallschaumtechnologie
SF3.Light-Weight Materials	R	-	Fraunhofer-Institut für Angewandte Materialforschung, Bremen	Neue Verfahren zur Herstellung von Aluminiumschäumen
SF3.Light-Weight Materials	R	-	Fraunhofer-Institut für zerstörungsfreie Prüfung, Dresden	In-situ Diagnostik der Schaumbildung in metallen
SF3.Light-Weight Materials	R	-	Innovativer Werkstoffeinsatz GmbH, Greifswald	Metallschaumtechnologie
SF3.Light-Weight Materials	R	-	Institute for Surface Chemistry, Stockholm	Surface Chemistry of foam films
SF3.Light-Weight Materials	R	-	Trinity College Dublin	Modelling of metal foam solidification
SF3.Light-Weight Materials	R	-	University Paris-Sud, Orsay, France	Foams and Films
SF3.Light-Weight Materials	R	-	Zentrum für Angewandte Raumfahrttechnologie und Mikrogravitation Bremen	Schäumen von Blei unter variierten Schwerkraftbedingungen
SF3.SANS	U	-	Academy of Sciences of the Czech Republic, Nuclear Physics Institute Rež near Prague, Czech Republic	Modellierung von Kleinwinkel-Streudaten aus Einkristall-Superlegierungen., Profile analysis in high-resolution neutron diffraction experiments.
SF3.SANS	I	-	Berlin Heart GmbH, Berlin	Herstellung und Charakterisierung von Ferrofluiden
SF3.SANS	I	-	Fa. CIBA Vision	Qualitätscharakterisierung in Polymerprodukten mit SANS
SF3.SANS	R	-	DEMOCRITOS (Athens),	Developments of SANS detector assemblys
SF3.SANS	R	-	FZJ Jülich	SANS Instrumentierung für ESS
SF3.SANS	R	-	FZK Karlsruhe	Struktur von weichmagnetischen Materialien
SF3.SANS	R	+	IAEA Vienna	Research Agreement: CRP Development and practical utilization of SANS.
SF3.SANS	U	-	Institut für Festkörper und Werkstofforschung Dresden	Modellierung von Entmischungsvorgängen aus Streudaten, Mikrostrukturentwicklung in amorph-nanokristallinen Systemen.
SF3.SANS	U	-	Institut für Hochtechnologie, Universität Jena	Magnetische Strukturbildung in Ferrofluiden

SF3.SANS	R	-	Institut Laue Langevin, Grenoble	SANS investigations in GMR materials
SF3.SANS	U	-	Institut of Electrophysics, Urals Division of Russian Academy of Sciences, Ekaterinburg, Russia	SANS studies of Mechanically Alloyed Soft Magnetic Alloys
SF3.SANS	R	-	Korean Atomic Energy Research Institute (KAERI), Taejon, South Korea.	Materials research using SANS
SF3.SANS	R	-	Laboratoire Leon-Brillouin, Saclay	Short range ordering in metallic glasses
SF3.SANS	R	-	MDC Berlin	Strukturuntersuchungen in Magnetosomen
SF3.SANS	R	-	MPI Golm	Strukturuntersuchungen in polymerverkapselten Magnetflüssigkeiten
SF3.SANS	R	-	NECSA ,South Africa	Development and test of position sensitiv detectors for SANS
SF3.SANS	R	-	Paul-Scherrer-Institut, Switzerland	Entwicklung von Datenreduktions- und SANS Auswertesoftware
SF3.SANS	R	-	PTB Berlin	SANS und Magnetorelaxation in Ferropfluiden
SF3.SANS	R	-	Riso National. Laboratory	SANS Instrumentierung für ESS
SF3.SANS	U	-	RWTH Aachen, Lehr-u. Forschungsgebiet Mechanische Verfahrenstechnik	NKWS Untersuchungen an teilerstarrten Legierungen im Scherfeld.
SF3.SANS	R	-	SIS facility	SANS Instrumentierung für ESS, Datenanalyse
SF3.SANS	U	-	Slovak Academy of Sciences, Institute of Experimental Physics Košice, Slovakische Republik	Weichmagnetische Nanomaterialien.
SF3.SANS	U	+	Technische Universität Darmstadt: Fachbereich Materialwissenschaften	Neutronen-Kleinwinkelstreuung an nanoskaligen Keramiken
SF3.SANS	U	-	Technical University Košice, Slovakische Republik	SANS investigation of thermally-exposed Ni-base superalloy
SF3.SANS	U	-	Université de Grenoble, ESRF Grenoble	SANS and ASAXS in bulk amorphous alloys
SF3.SANS	U	-	Technische Universität Braunschweig. TU Darmstadt	SANS investigation of precipitate microstructure in Ni-base superalloys at elevated temperatures
SF3.SANS	U	-	Universität des Saarlandes, Forschungszentrum Karlsruhe	Magnetische Austauschkopplung in ferromagnetischen Nanomaterialien
SF3.SANS	U	-	Universität Rostock, Universität Jena	Nanoskalige magnetische Oxidgläser
SF3.SANS	U	-	ZARM Universität Bremen	SANS und Magneto-rheologische Untersuchungen in Ferrofluiden
SF4.01a	U	+	Universidad Federal do Rio Grande do Sul, Porto Alegre, RS. Brazil	"Energy Loss, Track Effects, Implantation and Diffusion Processes (PROBRAL Vertrag)"
SF4.01a	U	+	Université de Caen, France	"Analogies between Ion and Photon Interaction with Matter"
SF4.01a	U	-	North Eastern Hill University, Shillong, Mehhalaya, India	"Characterization of Irridiated Polymers"
SF4.01a	U	-	Western Michigan University, USA	"Multielectron Processes in Fast Ion-Atom Collisions"
SF4.01a	U	-	Université Libre de Bruxelles, Belgium	"Electron Transport Theory"
SF4.01a	U	-	Technische Universität Berlin, Germany	"Solid-State Effects in Nuclear Fusion Reactions"
SF4.01a	U	-	Universität Stuttgart, Germany	"Atomic Transport in Multilayer Ceramics"
SF4.01a	U	-	Institut für Strahlenbiologie, Ludwig-Maximilians-Universität, München	"Ion Tracks in Solids"
SF4.01a	U	-	Friedrich-Schiller-Universität Jena, Institut für Festkörperphysik, Germany	"Phasenumwandlungen in InP"
SF4.01a	U	-	Technical University, Novosibirsk, Russia	"Development of Sensors Based

				on Fullerence in Etched Ion Tracks"
SF4.01a	U	-	Institut für Elektrotechnik, Fernuniversität Hagen, Germany	"Development of Electronic Devices Based on Ion Tracks in Polymers"
SF4.01a	U	-	Fernuniversität Hagen, Germany	"Ion Track Based Electrons"
SF4.01a	R	+	ATOMKI, Debrecen, Hungary	"Dynamics of Electron-Electron Interaction in Fast Ion-Atom Collisions"
SF4.01a	R	+	GSI Darmstadt, Germany	"Ion Tracks in Solids"
SF4.01a	R	+	GSF-Forschungszentrum für Umwelt und Gesundheit, Neuherberg, Germany	"Ion Tracks in Solids"
SF4.01a	R	-	Manne-Siegbahn Institute, Stockholm, Sweden	"Large-Angle Scattering of Slow Highly Charged Ions at Surfaces"
SF4.01a	R	-	Nuclear Physics Institute, Rež near Prague, Czech Republic	"Implantation and Diffusion Processes in Polymers"
SF4.01a	R	-	SDK GmbH Quedlinburg, Germany	"Ion Track Applications"
SF4.01a	R	-	Forschungszentrum Jülich, Germany	"Theory of Materials Modifications with Fast Ions"
SF4.01a	R	-	Forschungszentrum Jülich, Institut für Werkstoffe und Verfahren der Energietechnik, Germany	"Sinterprozesse in plasmagespritzten Wärmedämmschichten"
SF4.01a	R	-	Deutsches Zentrum für Luft- und Raumfahrt, Institut für Werkstofforschung, Köln, Germany	"Sinterprozesse in EBPVD Wärmedämmschichten"
SF4.01a	R	-	Paul Scherrer Institute, Laboratory for Neutron Scattering (WHGA/110), Villigen, Switzerland	"Sinterprozesse in plasmagespritzten und EBPVD Wärmedämmschichten, Mikrostruktur von Superlegierungen"
SF4.01b	U	-	Technische Hochschule Wien, Austria	"Point Defects in Silicon and Germanium "
SF4.01b	U	-	Universität Aarhus, Denmark	"Defects and Diffusion in Semiconductors Magnetism at Interfaces"
SF4.01b	U	-	Universität Jena, Germany	"Rare Earths in SiC"
SF4.01b	U	-	Universität Bergakademie Freiberg, Germany	"Magnetic Semiconductors"
SF4.01b	U	-	Universität Saarbrücken, Germany	"Atomare Strukturen"
SF4.01b	R	-	Centre Interdisciplinaire de Recherche avec des Ions et Lasers (CIRIL), Caen, France	"Materials Modification with Fast Ions"
SF4.01b	R	-	CERN (ISOLDE), Geneva, Switzerland	"Magnetism at Interfaces"
SF4.02	U	-	Universität Guelph, Canada	"Quantitative High-Energy PIXE-Analysis"
SF4.02	U	-	Universidad Complutense de Madrid, Spain	"Structure of SiO_xN_y:H Layers"
SF4.02	U	-	Technische Universität Berlin, FB Keramik, Germany	"Hydrogen Profiles at the Surface of Rails"
SF4.02	U	-	Humboldt-Universität Berlin, Institut für Zahnmedizin der Charité, Germany	"Elemental Depth Profiles at the Surface of Human Teeth"
SF4.02	U	-	TU Hamburg-Harburg, Germany	"Stoichiometry of Si-SiC Hetero-Solarcells"
SF4.02	U	-	Universität Marburg, Germany	"Disc Brooches of Eltville"
SF4.02	R	+	Cost G8, EU-Collaboration	"Nondestructive Testing on Museum Objects"
SF4.02	R	+	Rathgen Forschungslabor der Stiftung Preußischer Kulturbesitz,Berlin, Germany	„Sceptre of Charlemagne“
SF4.02	R	+	Forschungszentrum Rossendorf, Dresden	"Ion-Beam Analysis"
SF4.02	R	+	Skulpturensammlung Berlin, Berlin	"Silver Treasure"
SF4.02	R	+	Fachhochschule für Technik, Berlin, Germany	"Prussian Medals"
SF4.02	R	-	Inst. Tech. e. Nucl., Sacavem, Portugal	"Stoichiometry of Ultra-Thin AlO_n Layers"
SF4.02	R	-	Forschungszentrum Jülich, Germany	"Stoichiometry and Area Density

				of Zincoxide"
SF4.02	R	-	Heinrich-Hertz-Institut Berlin, Germany	"Impurities in Metal Contacts on Si"
SF4.03	U	+	Universitätsklinikum Benjamin Franklin, FU Berlin, Germany	"Eye Tumor Therapy"
SF4.03	U	+	Universitätsklinikum, Essen, Germany	"Eye Tumour Therapy"
SF4.03	U	-	Charité, HU Berlin, Germany	"Gel Dosimetry"
SF4.03	R	-	Institute of Nuclear Physics, Krakow, Poland	"Technical Realization of Tumor Therapy"
SF4.03	R	-	Deutsches Krebsforschungszentrum, Heidelberg	"Ion-Beam Technology"
SF4.04	R	-	Kunsthistorisches Museum Wien, Austria	"Silver Coin Collection Hoard of Tulln"
SF4.04	R	-	Deutsches Zentrum für Luft- und Raumfahrt e.V. (DLR), Köln, Germany	"Radiation Tests"
SF4.04	I	+	Firma Oxyphen, Großerkmannsdorf, Germany	"Ion Tracks in Polymers“
SF4.05	U	-	Institut für Angewandte Physik, Johann-Wolfgang von Goethe Universität, Frankfurt/Main, Germany	"RFQ"
SF4.05	R	-	EPCS-Community,CERN Geneva, Switzerland	"Control System Developments"
SF4.06	U	+	Humboldt Universität Berlin, Institut für Kristallographie, Germany	"Structural and Chemical Gradients in Creep-Deformed Super Alloys (DFG)"
SF4.06	U	+	Humboldt Universität Berlin, Institut für Physik, Kristallographie (DFG-Vorhaben), Germany	"Strukturelle und chemische Gradienten in kriechverformten Superlegierungen"
SF4.06	U	+	Universität Potsdam, Germany	"Röntgenintensitätsfluktuationsspektroskopie"
SF4.06	U	+	Universität Potsdam, Institut für Physik, Germany	"Untersuchung von Strukturveränderungen mittels Röntgenintensitätsfluktuations-Spektroskopie"
SF4.06	R	+	Institut für Kristallzüchtung, Berlin, Germany	"Growth of Aperiodical SiGe Gradient Crystals for Synchrotron Light Monochromartisation at BESSY"
SF5.Biological Physics	U	-	Prof. J. Lechleiter, Prof. P. Camacho, University of Texas Health Center, San Antonio, Texas, USA	”Effect of SERCA overexpression on calcium wave propagation“
SF5.Biological Physics	U	-	Prof. A. Maritan, Dr. C. Micheletti, International School for Advanced Studies, S.I.S.S.A., Trieste, Italy	”Elastic Properties of Proteins“
SF5.Biological Physics	U	-	Prof. E. Sackmann, TU München	“Actin cytoskeleton and molecular motors”
SF5.Biological Physics	U	-	Prof. A. Bausch, TU München	“Actin cytoskeleton and molecular motors”
SF5.Biological Physics	U	-	Dr. A. Hanke, Universität Stuttgart	“Collective phenomena in internally driven systems”
SF5.Biological Physics	U	-	Dr. M. Keller, E22, TU München	”Motor-cytoskeletal filaments interaction“
SF5.Biological Physics	U	-	Dr. A. Vilfan, Oxford University, GB	“Molecular motors”
SF5.Biological Physics	U	-	Prof. F. Schwabl, TU München	“Molecular motors”
SF5.Biological Physics	U	-	Prof. C. Schmidt, Vrije Universiteit, Amsterdam, The Netherlands	”Experimental and theoretical description of motor proteins“
SF5.Biological Physics	R	-	Prof. M. Rao, Raman Institute Bangalore, India	“DNA Hyperstructure”
SF5.Biological Physics	R	-	Prof. E. Mandelkow, MPI Unit Structural Biology, Hamburg	“Kinesin and microtubules”
SF5.Biological Physics	R	-	Prof. R. Merkel, FZ Jülich	“Biopolymers”
SF5.Biological Physics	R	-	Dr. J. Prost, Physico-Chimie Curie, UMR 168 CNRS, Institut Curie, Paris, France	“Theoretical description of motor proteins“

SF5.Biological Physics	R	-	Dr. F. Jülicher, Max Planck Institute for Physics of Complex Systems, Dresden, German	”Theoretical description of motor proteins“
SF5.Hard Matter	U	-	Dr. A. Ichihara, Japan Atomic Energy Research Institute, Tokai-mura, Japan	“Polarization of Photons Emitted in Radiative electron Capture by Bare High-Z Ion“
SF5.Hard Matter	U	-	Dr. Th. Stöhlker, Prof. P. Mokler, GSI Darmstadt; Prof. Xinwen Ma, Institute of Modern Physics, Chinese Academy of Science, Lanzhou, China	”Radiative electron capture and the photoelectric effect in hydrogen-like high-Z systems“
SF5.Hard Matter	U	-	Prof. V.M. Shabaev, Dr. A. Artemyev, State University of St. Petersburg, Russia; Dr. Th. Beier	”Electron capture in relativistic ion-atom-collision“
SF5.Hard Matter	U	-	Dr. P. Henelius, KTH Stockholm, Sweden;	”Comparison of Quantum Monte Carlo, Green’s function and Schwinger Boson approaches“
SF5.Hard Matter	U	-	Dr. P.J. Jensen, Freie Universität Berlin;	”Comparison of Quantum Monte Carlo, Green’s function and Schwinger Boson approaches“
SF5.Hard Matter	U	-	Dr. C. Timm, Freie Universität Berlin	”Comparison of Quantum Monte Carlo, Green’s function and Schwinger Boson approaches“
SF5.Hard Matter	U	-	Prof. M. Saber, University of Meknes, Morocco	“Thin ferromagnetic films”
SF5.Hard Matter	U	-	Prof. J. Christen, Otto-von-Guericke-Universität, Magdeburg	”Stresses in overgrowth of GaN“
SF5.Hard Matter	U	-	Prof. Ch. Thomsen, TU Berlin	“Stresses in overgrowth of GaN“
SF5.Hard Matter	R	-	Prof. M. Scheffler, Fritz-Haber-Institut der Max Planck Gesellschaft, Berlin	”Quantum dots“
SF5.Soft Matter	U	-	Dr. D. Weitz, Harvard University, USA	“Actin cytoskeleton”
SF5.Soft Matter	U	-	Prof. C. Bechinger, Universität Stuttgart	“Colloidal suspensions”
SF5.Soft Matter	U	-	Dr. T. Gisler, Universität Konstanz	“Dynamic light scattering”
SF5.Soft Matter	U	-	Dr. L. Legoff, Prof. F. Amblard, Institut Curie, Physicochemie, UMR, Paris, France	”Fluctuations of semiflexible polymers“
SF5.Soft Matter	U	-	Prof. M. C. Marchetti, Physics Department, Syracuse University, Syracuse, NY, USA	“Vortex matter“
SF5.Soft Matter	U	-	Prof. P. Lenz, Universität Marburg	“Semiflexible polymers”
SF5.Soft Matter	U	-	Prof. R. M. Pick, UFR 925, UPMC, Paris, France	”Light scattering“
SF5.Soft Matter	U	-	Prof. A. Azzimani, Dr. A. Taschin, Dr. M. Ricci, Dr. R. Torre: UFR 925, Université P. et M. Curie, Paris, France; INFM and LENS, Università degli Studi di Firenze, Firenze, Italy	”Light scattering“
SF5.Soft Matter	U	-	Dr. C. Dreyfus, Physique des Milieux Condensés, UPMC, Paris, France	”Light scattering“
SF5.Soft Matter	U	-	PD A. Latz, Technische Universität Chemnitz, Chemnitz, Germany	”Light scattering“
SF5.Soft Matter	U	-	T. Voigtmann, Physik-Department, TU München, Garching, Germany	”Completely monotone solutions of the mode-coupling theory for mixtures“
SF5.Soft Matter	U	-	Prof. H. Jaqaman, Dr. H. Hidmi, University of Bethlehem, Palestine	”Cluster Fragmentation“
SF5.Soft Matter	U	-	Prof. E.G.D. Cohen, Rockefeller University, New York, USA	“Statistical Mechanics“
SF5.Soft Matter	U	-	Prof. M.E. Cates, Prof. W.C.K. Poon, University of Edinburgh, Scotland, UK	”Colloidal gelation“
SF5.Soft Matter	U	-	Prof. U.C. Täuber,Virginia Tech, USA	”Non-equilibrium physics“
SF5.Soft Matter	R	-	Prof. S. Ramaswamy, Indian Institute of Science, India	“Active systems”
SF6. Applied Research	U	-	Zentrum für Dermatologie und Andrologie der Justus-Liebig-Universität, Gießen	“Selenoproteins in male infertility“
SF6. Applied Research	U	-	Frauenklinik und -poliklinik, Universitätskliniken des Saarlandes, Homburg/Saar.	“Selenoproteins in male infertility”

SF6. Applied Research	U	-	Heinrich-Heine-Universität, Düsseldorf, Deutsches Diabetes Forschungsinstitut	„Selenoproteins in diabetes“
SF6. Applied Research	U	-	HU Berlin, Charité, Institut für Anatomie	“Selenoproteins in neurological diseases”
SF6. Applied Research	U	-	HU Berlin, Charité, Institut für Anatomie	“Metalloproteins in Alzheimer’s disease
SF6. Applied Research	R	-	The Jackson Laboratory, Bar Harbor, USA	“Metalloproteins in diabetes”
SF6. Applied Research	R	-	Case Western Reserve University, Institute of Pathology, Cleveland, USA	“Metalloproteins in Alzheimer’s disease”
SF6.Analysis	U	-	TU Berlin, Institut für Atomare Physik	“Confocal SRXRF of trace elements in histological samples”
SF6.Analysis	U	-	Universität Hamburg, Anorganische und Angewandte Chemie	“Analysis of metalloproteins by SRXRF (HASYLAB)”
SF6.Analysis	U	-	TU München, Radiochemie	“Neutron irradiation and NAA”
SF6.Analysis	R	+	Bundesanstalt für Materialforschung und -prüfung, Berlin	“Analysis of trace elements and metalloproteins by RFA (BESSY)”
SF6.Analysis	R	+	Bundesanstalt für Materialforschung und -prüfung, Berlin	“Trace element analysis by NAA (BER II)”
SF6.Analysis	R	-	GKSS Geesthacht, Physikalische und Chemische Analyse	“Analysis of metalloproteins”
SF6.Analysis	R	-	Institut für Spektrochemie und Angewandte Spektroskopie, Dortmund	“Analysis of metalloproteins by laser ablation ICP-MS”
SF6.SeP,MeP	U	-	FU Berlin, Institut für Tierernährung:	“Relationships between selenium and fatty acid metabolism”
SF6.SeP,MeP	U	-	FU Berlin, Institut für Versuchstierkunde:	“Production and investigation of selenium-deficient rats”
SF6.SeP,MeP	U	-	FU Berlin, Universitätsklinikum Benjamin Franklin, Abteilung Nuklearmedizin:	“Radiotracer studies on laboratory animals”
SF6.SeP,MeP	R	-	Rowett Research Institute, Division Biochemical Sciences, Aberdeen, U.K	“Immunoassays of selenoproteins”
SF6.SeP,MeP	R	-	Max-Planck-Institut für Molekulargenetik Berlin	“Sequence analysis of selenoproteins”
SF6.SeP,MeP	R	-	Max-Delbrück-Centrum, Berlin	“Cristallization of selenoproteins”
SF6.SeP,MeP	R	-	GSF München	“Investigation of selenoproteins in knock-out mice”
SF6.SeP,MeP	R	-	Robert Koch-Institut, Berlin	“Metalloproteins in neurodegenerative diseases”
SF6.SeP,MeP	I	+	BIOGENES Berlin	“Development of antibodies against plasma glutathione peroxidase”

External funding

Dep. / Project	Funding Agency	Topic	Duration
SE1.cells	BMWi-Projekt (0329613B)	"Dünnschichtsolarzellen aus laserkristallisiertem Silizium auf Glas"	1999 - 2002
SE1.cells	EU-Projekt (ENK5 CT2001 00543), Coordination	Metal-induced crystalization and epitaxial deposition for thin efficient and low-cost crystalline Si solar cells (METEOR)	2002 - 2004
SE1.cells	HSPIII Nachfolgeprogramm „Förderung innovativer Forschungsstrukturen in den neuen Ländern und Berlin“, Unterauftrag mit TU Berlin	„Entwicklung und Optimierung eines photovoltaischen Moduls integriert-serienverschalteter Si-Dünnschichtsolarzellen“	2002 - 2003
SE1.hetero	BMBF-Projekt (01SF0012), Coordination	„Verbundprojekt Erneuerbare Energien: Grundlagen und Technologie von Solarzellen auf der Basis von a-Si/c-Si-Heterostrukturen“	2000 - 2003
SE1.hetero	BMBF-Projekt (01SF0031)	„Verbundprojekt - Erneuerbare Energien: Zinkoxidschichten für Dünnschichtsolarzellen: Material- und Grenzflächenforschung	2000 - 2003
SE1.hetero	BMWi-Projekt (0329571 A7), Unterauftrag der Technischen Universität Hamburg-Harburg	“Elektronenstrahlkristallisierte Silizium-a-SiC-Hetero-Dickschicht-Solarzellen auf Mittel- und Hochtemperatur-Substraten”	1999 - 2003
SE2.Analytics	BMBF	„Spannungsoptimierung von II-VI-Dünnfilmsolarzellen – Hochspannungsnetz“	2000-2003
SE2.Analytics	EU	“High resolution electrical characterization of ULSI and advanced semiconductor devices”	2000-2003
SE2.Chemistry	ATOTECH		2002-2003
SE2.Chemistry	EU	“CIS-line Solar cells; manufactured roll-to-roll in a base line”	2002 - 2004
SE2.Chemistry	Shell-Solar GmbH	“Development of Cd-free buffers for CIGSSe solar cells.”	2002-2003
SE2.Contacts	BMBF 01SF0031	“Zinkoxidschichten für Dünnschichtsolarzellen: Material- und Grenzflächenforschung”	1.9.2000- 31.8.2003
SE2.Contacts	Dutch Space	“Copper-Indium-Gallium-Selenide (CIGSe) solar cell for space applications”	1.4.02-31.3.03
SE2.NovelConcepts	BMBF	„Leitende Ionenspuren in isolierenden Matrizen für Feldemission“	2001-2004
SE2.NovelConcepts	BMBF	„Erneuerbare Energien: Organische Solarzellen“	2000-2003
SE2.NovelConcepts	BMBF	„Netzwerk Polymere Solarzellen“	2001-2003
SE2.NovelConcepts	BMBF	"Random light traps and	2002-2004

		photon management"	
SE2.NovelConcepts	DFG	„Fullerene als Atomfallen“	2001-2003
SE2.NovelConcepts	EU	„QIPD-DF“	2000-2002
SE2.NovelConcepts	EU	“ETA solar cells”	2001 - 2004
SE2.NovelConcepts	EU	“Metallic intermediate band solar cells for high efficiency and low cost in photovoltaics”	2001 - 2003
SE2.Semico	BMBF	„Hochspannungsnetz“	2000-2003
SE2.Semico	BMWI No.0329740B	„Entwicklung einer neuen Dünnschichttechnologie für die Photovoltaik: Technische Umsetzung des CCSVT-Verfahren am Beispiel des Cu(In,Ga)Se_2-Solarzellenbasis-Materials "	2000 - 2003
SE2.Semico	EU	„PVNet“	2001-2003
SE3.01a	BMBF	“Spannungsmaximierung von II/VI Dünnschichtsolarzellen (Hochspannungsnetz)”	2000-2003
SE3.01b	Contraves Space AG	„ESA Study: Space Solar Arrays based on thin film solar cells“	2001-2002
SE3.01c	Dutch Space	„Solar Cell for Space Application“	2002-2003
SE3.01c	NATO	„Electric field induced p-n junctions“	08/2001-07/2003
SE4.cells	BMBF	Indufert	: - Mai 2004
SE4.dynamics	Deutsche Forschungsgemeinschaft, Schwerpunkt SPP 1093	Dynamik des Einfangs heißer Elektronen in III-V Halbleitern	: - Mai 2004
SE4.dynamics	Deutsche Forschungsgemeinschaft, SFB 450 der FU Berlin,	Analysde und Kontrolle ultraschneller Photoreaktionen großer organischer Moleküle auf oxidischen Halbleitern	: - Juni 2004
SE4.dynamics	VW Stiftung	Experimentelle und theoretische Untersuchung extrem schneller Elektronentransfer, Reaktionen von großen organischen Molekülen	: - September 2003
SE4.other	DFG Schwerpunktprogramm, Az: IIC10-SPP1072	Halbleiter-und Metallcluster als Bausteine für organisierte Strukturen	: 1999 - März 2005
SE4.other	EU-Projekt	Correlation of Structure and Magnetism in nano-Particles	: 2000 - 2004
SE5. Energetics	BMBF/BMWi, Daimler-Chrysler	"Platin-freie Katalysatoren für die Sauerstoffreduktion"	1998 - 2002
SE5. Energetics	DBU	"Lifepacking – Bionische Verpackungen für eine nachhaltige Materialwirtschaft"	07/01-07/02
SE5. Energetics	Volkswagenstiftung	"Silicon organic hybrids"	2002-2005
SE5.2 Interface Engineering	DFG	"Grundlagen der elektrochemischen Nanostrukturierung"	2001-2004
SE5.Energetics	BMBF	ZnO-net work: "Zinkoxidschichten für Dünnschichtsolarzellen: Material- und Grenzflächenforschung"	09/01-08/03
SF1.Methods	BMBF/WTZ	„T-odd Korrelation"	2001-2004
SF1.Spallation	DFG	"Wechselwirkung intensiver Laserfelder mit Materie:	1998-2004

		Nukleare Prozesse in heißen dichten Kurzpulsplasmen, BE-784/6-3"	
SF1.Spallation	EU	"Research and Development for the Target-Moderator Assembly of the Future European Neutron Source (ESS), FMRX-CT98-0244"	1998 - 2002
SF2.BENSC	EU-IHP-RTD (HPRI-CT-1999-50016 (ENPI))	POLARISED NEUTRON INSTRUMENTATION	2000 - 2003
SF2.BESSY	BMBF Vernetzungsfonds (Förderkennzeichen Nr. 01 SF 0005/01 SF 0006)	„Vernetzung HMI/BESSY: Konstruktion und Errichtung eines Messplatzes für magnetische Röntgenstreuung und Strukturuntersuchungen"	01.06.2000 – 31.12.2003
SF2.BESSY	DFG-Vorhaben (RE 688/39-1)	„Entwicklung einer Methode zur Eigenspannungs- und Mikrostrukturanalyse im intermediären Bereich zwischen Oberfläche und Volumen vielkristalliner Werkstoffe mittels energie-dispersiver Röntgenbeugung"	04/2002 – 04/2004
SF2.BESSY	HGF-Strategiefonds / Verbundprojekt Förderkennzeichen 01SF9936	"Construction and operation of a 7 Tesla multipole wiggler for linearly polarized X-rays"	01.07.1999-31.12.2002
SF2.Bulk magnetism	EU-RTN (hprn ct 2000 00166)	"3He Neutron Study"	01.09.2000-31.08 2004
SF2.BENSC	BMBF Verbundprojekt (Förderkennzeichen 03DEE8DA)	„Betrieb und Weiterentwicklung des Membrandiffraktometers V1 am Hahn-Meitner-Institut Berlin"	01.04.2001-31.03.2004
SF2.BENSC	BMBF Verbundprojekt (Förderkennzeichen 03-PRE8TU)	Betrieb und Weiterentwicklung des Flat-Cone-Diffraktometers am Forschungsreaktor BER II/HMI Berlin	01.04.2001 bis 31.3.2004
SF3.Microstructure	NATO grant, Kharkov Institute of Physics and Technology, Ukraine	Study of inhomogeneities and mechanical properties of metallic glasses	2 years
SF3.Microstructure	European ITEM Network	Improvement of techniques for multiscale modelling of irridated materials	3 years
SF3.Microstructure	DFG WA 1378/1-3	Strukturelle und chemische Gradienten in kriechverformten Superlegierungen	1998/2003
SF3.Microstructure	DFG MA 1832/3-1	Diffusion in mehrkomponentigen Metallschmelzen	
SF3.Microstructure	DFG WA/5-1	Untersuchungen der Phasenumwandlungen und Korngrenzenchemie von Inconel 706 mittels 3-dimensionaler Atomsonde: Erarbeitung von Grundlagenkenntnissen und Ansätzen zur Werkstoffoptimierung	2002/2003
SF3.Light-Weight Materials	DFG Ba1170/3-2	Untersuchung der Schaumbildung bei Metallen	2002/2005

		und Weiterentwicklung von Schäumverfahren	
SF3.Light-Weight Materials	DFG Ba1170/4-1 and 4-2	Untersuchung der Anfangsstadien der Porenbildung beim Schäumen von Metallen	2002/2005
SF3.Light-Weight Materials	ESA 14308 (European Space Agency)	Development of advanced foams under microgravity	2002/2003
SF3.Light-Weight Materials	DFG Re 688/23-3	Gradientenwerkstoffe	
SF3.Light-Weight Materials	DFG Re 688/29-2	Kurzzeitmetallurgie	
SF3.Light-Weight Materials	DFG Py 9/1-1	Erhöhung des Formänderungsvermögens	
SF3.Light-Weight Materials	DFG Py9/2-1	Analyse plastischer Umformung unter Verwendung hochenergetischer Synchrotronstrahlung	
SF3.Light-Weight Materials	Wilhelm Karmann GmbH	Industrieauftrag zum Thema “Metallschäume“ (Titel vertraulich)	2002
SF3.SANS	DFG Wi1151/1-1	Mikrostruktur halberstarrter Metalllegierungen im Scherfeld	2001/2003
SF3.SANS	DFG Wi1151/2-2	Schwerpunktprogramm magnetische Flüssigkeiten: Projekt Neutronenkleinwinkelstreu-ung zur Charakterisierung von Kern und Hülle in Ferrofluiden	2000/2006
SF3.SANS	DFG Wi1151/3-1	Strukturbildung in mehrtkomponentigen Nd-Basis Legierungen	2001/2006
SF3.SANS	IAEA/Research Agreement 11358		2001/2003
SF4.01a	European Infrastructure Cooperation Network, Partner: 12 Mitglieder aus 7 Europäischen Ländern, Project No.: HPRI-CT-1999-40012	“Low Energy Ion Facilities (LEIF)“	2000-2003
SF4.01a	Französisch-Deutsche Kollaboration PROCOPE, koordiniert durch DAAD, Partner: CIRIL, Université de Caen, France	„Analogien in den Ionisationsmechanismen von Photonen und sehr schnellen Ionen“	2001-2002
SF4.01a	German-Brazilian Collaboration PROBRAL, koordiniert durch DAAD und CAPES (Brazil), Partner: UFRGS, Porto Alegre, Brazil	“Ion-Solid Interactions“	1999-2003
SF4.01a	Hungarian-German Collaboration, koordiniert durch Internationales Büro der Deutschen Forschungsanstalt für Luft- und Raumfracht, Partner: ATOMKI, Debrecen, Ungarn, Project No. UNGX 231.21	“Dynamics of Electron-Electron Interaction in Fast Ion-Atom Collisions“	2000-2003
SF4.01a	Strategiefonds getragen durch die HGF, Partner: GSI, GSF, FZ Jülich, LMU München	”Ion Tracks in Solids”	2000-2003
SF5.Biological Physics	DFG Projekt FR 850/1-4	„Schwerpunkt Molekulare Motoren“	1999-2005
SF5.Biological Physics	European Community Marie Curie Fellowship HPMF-CT-2002-01529	„Collective phenomena in intracellular transport and cytoskeleton organisation“	1.8.2002-31.7.2004
SF5.Biological Physics	Marie Curie Fellowship - European Community Programme	HPMF-CT-2001-01432 „Improving human research potential and the socio-economic knowledge base“	1.2.2002-31.1.2004

SF5.Biological Physics	Projekt im SFB 413 angesiedelt an der LMU München	„Dynamik und Regulation zytoskelettabhängiger Bewegungsvorgänge“	1998-2002
SF5.Hard Matter	DAAD-NA - fellowship PKZ: A02/29109,	“Electromagnetic processes in the collision of relativistic highly charged ions”	17.6.-16.9.2002
SF5.Hard Matter	DFG Kooperationsprojekt 436 RUS113/616/0-1	“Elektron-Positron-Paarerzeugung beim Elektroneneinfang in relativistischen Ion-Atom-Stößen”	2000-2002
SF5.Soft Matter	DFG Projekt Bat2a Gr 398/6-2	Trilaterale Kollaboration Palästina, Israel und Deutschland, “Fragmentation and phase transitions in atomic clusters”	1997-2002
SF5.Soft Matter	DFG Projekt Bat2a Gr 398/9-1	“Mikrokanonische Statistik und Phasenübergänge in nichtextensiven Systemen”	1999-2002
SF5.Soft Matter	DFG Projekt NE 646/5-3 und WA 1378/1-3	unter dem Schwerpunktprogramm „Strukturgradienten in Kristallen“ (SPP 1056) Strukturelle und chemische Gradienten in kriechverformter Superlegierung am Beispiel SC16	1999-2003
SF6.Applied Research	BMWT	Project “Isolation and characterization of the plasma selenoprotein PlGPx” (partner firm BIOGENES) within the BMWT Programme “Innovatory competence of medium-sized firms”	2002 - 2004
SF6.Applied Research	DFG	DFG Project “Novel selenoproteins” within the DFG Priority Programme “Selenoproteins”	2000 - 2006
SF7.Detector	BMBF: Deutsch-russische Kollaboration mit JINR Dubna	“Development of High-resolution Position-sensitive Neutron Detectors for the IBR-2 Spectrometers”	2001-2003
SF7.Detector	EU-RTD-Project TECHNI	Contract No. HPRI-CT-1999-50005, “Technology for Neutron Instrumentation”	01/03/2000 – 29/02/2004
SF7.ERDA	Alexander-von-Humboldt Stiftung (W.Bessel Preis)	„Clusters in Nuclei and Gammaspectroscopy”	
SF7.Erda	DAAD	“Gamma-Spectroscopy of Molecular States”	29.09.99 – 31.12.2002
SF7.Erda	EUROBALL-Collaboration (D, Dk, F, I, UK, S)	“Hyperdeformation, Clusteremission”	2000 - 2003
SF7.Erda	Public Awareness of Nuclear Science (PANS) (EU)	“Public awareness for Nuclear Science”	2000 - 2002