

Veröffentlichungen und Vorträge

DESY-Kolloquien

10 Jahre DESY Zeuthen

Festkolloquium

A. WAGNER (DESY Hamburg/D)

Begrüßung.

J. WANKA (Ministerium für Wissenschaft, Forschung und Kultur des Landes Brandenburg)

Grußwort.

H. SCHUNCK (BMBF, Berlin/D)

Transformation oder Urknall – Physik in Deutschland 10 Jahre danach.

V. SOERGEL (Univ. Heidelberg/D)

1992 – DESY wird größer: Erinnerung an die Entstehung von DESY Zeuthen.

U. GENSCHE (DESY Zeuthen/D)

DESY Zeuthen heute.

C. SPIERING (DESY Zeuthen/D)

Neutrinoastrophysik – Vom Baikalsee zum Südpol.

D. ECKSTEIN (CERN Geneva/CH)

Struktur des Protons und die starke Kraft.

D. PLEITER (DESY Zeuthen/D)

Parallelrechner und Physik auf dem Gitter.

J. ILLANA (Univ. Hamburg/D)

Hunting for Precision at High Energies.

S. RIEMANN (DESY Zeuthen/D)

Physik bei TESLA – Ursprung der Masse.

Einführung in die Ausstellung: TESLA – Licht der Zukunft

A. WAGNER (DESY Hamburg/D)

30.01.2002

A. MARTIN (Univ. of Durham/GB)

Structure Functions and Related Topics.

28.02.2002

DESY Heinrich-Hertz Lecture on Physics

E. WITTEN (IAS Princeton/USA)

Quest for Unification.

20.06.2002

Festkolloquium für Günter Wolf

M. DERRICK (ANL Argonne/USA)

The Physics Interplay between Hadron and Electron Facilities.

R. PECCEI (UCLA/USA)

The Deep Inelastic Trail.

3.12.2002

DESY Lecture Series in Memory of Prof. Dr. W. Jentschke

W.K.H. PANOFSKY (Univ. Stanford/USA)

The Danger Posed by Nuclear Weapons.

5.12.2002

Academic Training

P. SCHMÜSER (Univ. Hamburg/D)

Basic Elements of Accelerator Physics.

18.–20.02.2002

G. WEIGLEIN (Univ. of Durham/GB)

Electroweak Physics: Preparing for TESLA.

13.–15.05.2002

V. MÜLLER (Astrophys. Inst. Potsdam/D)

Astrophysics and Cosmology.

7./8.10.2002

Vorträge – Innerbetriebliche Fortbildung

S. SACK (Hamburg/D)

Unternehmensberater – Was tun die eigentlich wirklich?

16.1.2002

H.-F. GRAF (Hamburg/D)

Natürliche Klimavariabilität, der Treibhauseffekt & das Ozonloch.

23.1.2002

B. HOLTZ (Hamburg/D)

Möglichkeiten der Finanzierung von Immobilien für VBL-Versicherung.

30.1.2002

B. HOLZER (DESY Hamburg/D)

Die neue HERA: Status der Maschine nach dem Lumi-Upgrade.

6.2.2002

L. HAGGE (DESY Hamburg/D)
Informationssysteme im Arbeitsalltag – Wer beeinflusst wen?
13.2.2002

P. STRIEBECK, M. HARTMANN, P. SCHRÖDER, K. NISSEN
(Ernst-Deutsch Theater, Hamburg/D)
Nachbereitung eines Theaterbesuchs des Stücks „Kopenhagen“
von Michael Frayn.
18.02.2002

U. MOSEL (Kiel/D)
Sprachforschung für bedrohte Sprachen & Kulturen in der Südsee.
20.2.2002

H. ALTENMÜLLER (Hamburg/D)
Das Pyramidenrätsel. Konzeption und Bau der altägyptischen Pyramiden.
13.3.2002

R. HEINBOCKEL (Hamburg/D)
Geophysikalische Erforschung des Peruanischen Kontinentalrands
mit dem Forschungsschiff „Sonne“.
20.3.2002

H. RECHENBERG (München/D)
Werner Heisenberg und die Elementarteilchenphysik.
(Zur Eröffnung der Werner Heisenberg-Jubiläumsausstellung)
10.4.2002

J. BECKER (Jülich/D)
Die Altersversorgung im öffentlichen Dienst.
Individuelle Rentenberatung.
17./18.4.2002

T. LOHSE (Berlin/D)
Wie symmetrisch ist die Natur?
24.4.2002

T. HAMACHER (Garching/D)
Ein Spaziergang durch ein Fusionskraftwerk.
15.5.2002

B. SCHÖNEICH (DESY Zeuthen/D)
E-Mail-Filter – Schutz vor unerwünschten E-Mails.
22.5.2002

H. RENSMeyer (Hamburg/D)
Rentable Arbeit in einer sich wandelnden Welt.
12.6.2002

T. HOFMANN (Berlin/D)
Annäherung an Armenien.
26.6.2002

J. SÜNDERMANN (Hamburg/D)
Die Nordsee – gestern, heute und morgen.
10.7.2002

A. BRAUER (Potsdam/D)
Natürliche Klimavariationen und das Potential von See-Sedimenten in der Klimaforschung.
17.7.2002

K. KLETZKA (Hamburg/D)
Dialog im Dunkeln – Entdeckung des Unsichtbaren.
18.9.2002

A. ÖZOGUZ (Hamburg/D)
Die Hamburger Tulpe für deutsch-türkischen Gemeinsinn.
23.10.2002

J. EHLERS (Golm/D)
Erinnerungen an Pascual Jordan.
30.10.2002

F. STEPHAN (DESY Zeuthen/D)
Entwicklung von Elektronenquellen für TTF-FEL und TESLA
(Photoinjektor Teststand in DESY-Zeuthen).
13.11.2002

S. BENJELLOUN (Rabat/MA)
Food and Sustainable Agriculture: Human Nutrition in the Developing World.
20.11.2002

W. ERTMER (Hannover/D)
Bose-Einstein-Kondensation: Atome am Rande des absoluten Nullpunkts.
27.11.2002

H. ZUSE (Berlin/D)
Historie der Computerentwicklung.
11.12.2002

A. KARIM (Hamburg/D)
Moleküle aus Luft gebaut.
18.12.2002

Öffentliche Abendvorträge am DESY

H. MELDERIS (Hamburg/D)
Geheimnis der Gene – die Geschichte ihrer Entschlüsselung.
6.6.2002

O. KRÄTZ (München/D)
Chemie und Alchemie auf den Jahrmärkten des 18. Jahrhunderts.
3.7.2002

V. AFANASIEW (Moskau/RUS)
Ohne Sauna im Weltraum: Erfahrungsbericht eines Kosmonauten
(MIR und ISS).
15.7.2002

H.-J. WILKE (Dresden/D)
Es werde Licht! – Eine experimentelle Zeitreise vom Kienspan
bis zur Energiesparlampe.
4.9.2002

F.-W. GERSTENGARBE (PIK Potsdam/D)
Klimaänderungen im 20. Jahrhundert und ihre Auswirkungen.
9.10.2002

A. WAGNER (DESY Hamburg/D)
TESLA – Die Welt in neuem Licht.
13.11.2002

J. AUDRETSCH (Konstanz/D)
Blick in die Quantenwelt – eine Einführung.
4.12.2002

Vorträge – Direktorium

R. KLANNER

DESY's Future High Energy Programme.
10th Int. Workshop on Deep Inelastic Scattering (DIS2002),
Cracow/PL (2002)

DESY's Teilchenphysikprogramm.
HEP-Jamboree, Zeuthen/D (2002)

The Early Days of Silicon Detector Development.
Europ. Sympos. on Solid State Detectors, Schloss Elmau/D (2002)

Beyond the LHC: Physics at a High Energy Linear Collider and
the TESLA Project.
Institute of Particle Physics, London/GB (2002)

J.R. SCHNEIDER

Free-Electron Lasers at DESY: Coherent, Short Pulse X-Rays for
Structure Research.
Kolloquium, GSI Darmstadt/D (2002)

Science with Advanced X-Ray Sources at DESY.
ESRF-ILL, Grenoble/F (2002)

TESLA – Licht der Zukunft: Forschung mit dem Freie-Elektronen
Laser.
„Tag der Wissenschaft“ im Automobil Forum Berlin/D (2002)

XFEL at DESY: Properties and Perspectives.
Int. Sympos. on Future Trends in Time-Resolved and Coherent
X-Ray Physics, MPI Metallforsch. Stuttgart/D (2002)

The Free-Electron Laser at DESY: Coherent, Short Pulse X-Rays
for Structure Research.
DPG-Frühjahrstagung AMOP, Osnabrück/D (2002)

Röntgenlaser bei DESY – Der schnelle Blick auf die Atome.
10. Jahrestg. der Dt. Ges. für Kristallographie, Kiel/D (2002)
Kolloquium, Univ. Bonn/D (2002)

TESLA Free-Electron Laser Programme at DESY.
FEL Workshop, MIT Bates Lab., Boston/USA (2002)

Linac Driven Free-Electron X-Ray Lasers Based on Self Amplified
Spontaneous Emission.
China-German Sympos. on High-Intensity Lasers, Shanghai/PRC
(2002)

TESLA Test Facility, TESLA XFEL and Activities of the New
Collaboration.
Dept. of Energy Workshop on Int. Collab. on XFELs and Sciences,
Washington/USA (2002)

Research with Photons at DESY.
Kolloquium, Cornell Univ. Ithaca/USA (2002)

D. TRINES

TESLA-Beschleuniger.
Jahrest. der Dt. Elementarteilchen-Physik, Bad Honnef/D (2002)

Status and Prospects of the TESLA Project.
(Dedicated to Veksler)
ISAPAN-02, Dubna/RUS (2002)

Status of the TESLA Project.
IHEP Protvino/RUS (2002)

Status of the TESLA Collider.
18th Conf. on Charged Particle Accel. (RUPAC 2002), Obninsk/
RUS (2002)

A. WAGNER

New Light into the Darkness of Matter – The TESLA Project at
DESY: Laser and Time Machine.
TU Harburg/D (2002)

TESLA – From the Origin of Mass to the Structure of Matter and
Molecules.
Univ. of Boulder/USA (2002)

Status of the TESLA Project.
Aspen Winter Conf., Aspen/USA (2002)

A Picture of HEP in the LHC Era.
Rencontre de Physique de la Vallée d'Aoste, La Thuile/I (2002)

ICFA Task Force on a Global Accelerator Network.
GAN-Workshop, Cornell Univ. Ithaca/USA (2002)

TESLA – Where Do We Stand, Where Do We Go?
ECFA/DESY Workshop, St. Malo/F (2002)

TESLA – Vom Ursprung der Materie zur Struktur von Molekülen.
Kolloquium, Univ. Wien/A (2002)

TESLA – From the Origin of Mass to the Structure of Molecules.
Univ. of Moscow/RUS (2002)

TESLA – A New Tool for Science.
Univ. of Ottawa/CAN (2002)
Univ. of Toronto/CAN (2002)
TRIUMF, Vancouver/CAN (2002)
Academia Sinica, Taipei/RC (2002)
Nat. Taiwan Univ., Taipei/RC (2002)
SRRC, Hsinchu/PRC (2002)
Kolloquium, Univ. Geneva/CH (2002)
Workshop on Loops & Legs in Quantum Field Theory, Kloster
Banz/D (2002)

TESLA – The Test Bed for SUSY.
10th Int. Conf. on Supersymmetry and Unification of Fund. Int.
(SUSY02), Hamburg/D (2002)

TESLA – Progress Towards the Linear Collider in Germany.
Linear Collider Retreat, Santa Cruz/USA (2002)

Die Welt im neuen Licht oder
Warum wir neue Forschungsanlagen brauchen.
Kolloquium, PSI Villigen/CH (2002)

TESLA – A Tool For Science Going Global.
34. Herbstschule für Hochenergiephysik, Maria Laach/D (2002)

DESY – Today and Tomorrow.
Workshop on Structural Biology at PETRA III, Hamburg/D (2002)

DESY.
ICFA Seminar, Geneva/CH (2002)

Looking Deep into the Proton and beyond.
Univ. Warsaw/PL (2002)

DESY and its International Collaborations.
Department of Energy, Washington/USA (2002)

TESLA – ein neues Werkzeug der Wissenschaft.
Kolloquium, Univ. Augsburg/D (2002)

F-Bereich

H1

Veröffentlichungen

H1 KOLLABORATION, C. ADLOFF et al.

Energy Flow and Rapidity Gaps between Jets in Photoproduction
at HERA.
Eur. Phys. J. C24 (2002) 517 und DESY 02-023, hep-ex/0203011

A Measurement of the t Dependence of the Helicity Structure of
Diffractive ρ Meson Electroproduction at HERA.
Phys. Lett. B539 (2002) 25 und DESY 02-027, hep-ex/0203022

Inelastic Photoproduction of J/ψ Mesons at HERA.
Eur. Phys. J. C25 (2002) 25 und DESY 02-059, hep-ex/0205064

Inelastic Leptoproduction of J/ψ Mesons at HERA.
Eur. Phys. J. C25 (2002) 41 und DESY 02-060, hep-ex/0205065

Search for QCD Instanton-Induced Processes in Deep-Inelastic
Scattering at HERA.
Eur. Phys. J. C25 (2002) 495 und DESY 02-062, hep-ex/0205078

Diffractive Photoproduction of $\psi(2S)$ Mesons at HERA.
Phys. Lett. B541 (2002) 251 und DESY 02-075, hep-ex/0205107

Measurement of Inclusive Jet Cross-Sections in Deep-Inelastic
ep-Scattering at HERA.
Phys. Lett. B542 (2002) 193 und DESY 02-079, hep-ex/0206029

Search for Odderon-Induced Contributions to Exclusive π^0 Pho-
toproduction at HERA.
Phys. Lett. B544 (2002) 35 und DESY 02-087, hep-ex/0206073

Search for Excited Electrons at HERA.
Phys. Lett. B548 (2002) 35 und DESY 02-096, hep-ex/0207038

Veröffentlichte Vorträge

**Proc. of the 10th Int. Workshop on Deep Inelastic Scattering
(DIS2002), Cracow/PL (2002) (Acta Phys. Pol. B33 (2002))**

M. BECKINGHAM
Rapidity Gaps Between Jets at H1.

O. BEHNKE
Charm Production and F_2^c at HERA.

- T. BERNDT
Investigation of Pomeron- and Odderon-Induced Photoproduction of Mesons Decaying to Pure Multiphoton Final States at H1.
- J. BÖHME
Polarisation Measurement at HERA.
- D. BROWN
Diffractive Photoproduction of $\psi(2S)$ Mesons at HERA.
- J. DAINTON
Future and Perspectives of DIS.
- M. ELLERBROCK
High Q^2 Results in Neutral and Charged Current e^+p and e^-p Scattering.
- G. FRISING
Dijets in Photoproduction.
- J. GAYLER
The Rise of the Proton Structure Function F_2 towards Low x .
hep-ex/0206062
- L. GÖRLICH
Forward π^0 Photoproduction in DIS at HERA.
- G. GRINDHAMMER
Electroproduction of Dijets at Small Jet Separation.
hep-ex/0208031
- J. HALLER
Supersymmetry at HERA, Results and Prospects.
- R. HEREMANS
Inclusive Diffractive Dissociation in Photoproduction at HERA.
- X. JANSSEN
Diffractive ρ Meson Electroproduction at High Q^2 and High $|t|$.
hep-ex/0207011
- B. KOBLITZ
Search for QCD Instanton Induced Processes at HERA.
- K. KRÜGER
Inelastic J/ψ Photo- and Electroproduction.
- T. LASTOVICKA
Measurement of the Inclusive Deep Inelastic Scattering Cross Section at $Q^2 \sim 1 \text{ GeV}^2$ with the H1 Experiment.
- P. LAYCOCK
New Results on Inclusive Diffraction.
- B. LEISSNER
Muon Pair Production.
- N. MALDEN
Isolated Leptons, W and Single Top at HERA.
- S. MAXFIELD
Photon Structure from HERA.
- A. MEHTA
HERA Upgrades and Prospects.
- P. NEWMAN
Prospects for Diffraction at HERA II.
- D. OZEROV
Production of Protons in Photoproduction at HERA.
hep-ph/0207048
- B. REISERT
NLO QCD Fit.
- F.-P. SCHILLING
NLO DGLAP Fit to H1 Diffractive DIS Data.
hep-ex/0209001
- S. SCHMITT
Searches for Contact Interactions at HERA.
- C. SCHWANENBERGER
The Jet Calibration in the H1 Liquid Argon Calorimeter.
- K. SEDLAK
Dijet Production at Low Q^2 .
- R. STAMEN
Deeply Virtual Compton Scattering at HERA.
- P. THOMPSON
Jets and E_t Flow in Diffraction at HERA.
- J. TURNAU
Measurement of Single Inclusive High E_T Jet Cross Sections in Photoproduction at HERA.
- C. VALLÉE
High P_T Multi-Electron Production at HERA.
- J. WAGNER
 $D^*\mu$ Correlations and D Meson Production in ep Scattering at HERA.
- Proc. of the 31st Int. Conf. on High Energy Physics (ICHEP02), Amsterdam/NL (2002)**
- T. BERNDT
Odderon and Pomeron Physics in Mutli-Photon Final States at HERA.
- C. DIACONU
Multi-Lepton Production at High Transverse Momentum in ep Collisions at HERA.
hep-ex/0210017
- J. DINGFELDER
Searches for Signatures of Physics beyond the Standard Model with High- P_T Leptons at HERA.

- C. GRAB
Charm Production at HERA.
- G. GRINDHAMMER
Jets and Prompt Photons in Photoproduction at HERA.
- H. JUNG
Parton Dynamics and Identified Particles at HERA.
- D. PITZL
The H1 Detector for HERA II.
- J. SCHEINS
Inclusive Diffraction at HERA.
hep-ex/0210027
- Z. ZHANG
Structure Function Results from H1.
hep-ex/0212043
- O. BEHNKE
Low x Physics at HERA.
Proc. of the 14th Topical Conf. on Hadron Collider Physics (HCP2002), Karlsruhe/D (2002)
- V. BLOBEL
An Unfolding Method for High Energy Physics Experiments.
Proc. of the Conf. on Adv. Statistical Techniques in Part. Phys., Durham/GB (2002) und DESY 02-078, hep-ex/0208022
- V. BLOBEL, C. KLEINWORT
A New Method for the High-Precision Alignment of Track Detectors.
Proc. of the Conf. on Adv. Statistical Techniques in Part. Phys., Durham/GB (2002) und DESY 02-077, hep-ex/0208021
- V. BOUDRY
The Electronics of the New H1 Luminosity System.
Proc. of the 10th Int. Conf. on Calorimetry in HEP, Pasadena/USA (2002)
- D. BROWN
Diffractive Vector Meson Production and DVCS at HERA.
Proc. of the Workshop on Low x Physics, Antwerpen/B (2002)
- A. BUNIATIAN
Measurements of Inclusive and Exclusive Diffraction at HERA.
Proc. of the HEP Int. Conf. on Quantum Chromodynamics (QCD02), Montpellier/F (2002)
- S. CARON
Jet Production at HERA.
Proc. of the HEP Int. Conf. on Quantum Chromodynamics (QCD02), Montpellier/F (2002)
- C. COLLARD
Diffraction at HERA.
Proc. of the 17th Winter Inst. on Fund. Int., Lake Louise/CAN (2002)
- Y. COPPENS
Measurements of Inclusive Diffraction at HERA.
Proc. of Hadron Structure '02, Herlany/SQ (2002)
- B. COX
POMWIG Monte Carlo.
Proc. of the Workshop on Diffractive Physics (LISHEP2002), Rio de Janeiro/BR (2002)
- J. DAINTON
Enga(u)ging Matter.
Proc. of the Royal Society Colloquium, London/GB (2002)
- ep Physics at the Energy Frontier.
Proc. of the 26th John Hopkins Workshop on Fundamental Physics, Heidelberg/D (2002)
- HERA Physics: Beyond the Beginning.
Proc. of the UK Theory Workshop, Institute of Particle Physics, Phenomenology, Durham/GB (2002)
- C. DUPREL
Proton Structure Functions at HERA.
Proc. of Hadron Structure '02, Herlany/SQ (2002)
- E. ELSEN
ep Scattering at Large Momentum Transfer and High Luminosity.
Proc. of the 10th Mexican School of Particles and Fields (XMSPF2002), Playa del Carmen/MEX (2002)
- L. FAVART
Deeply Virtual Compton Scattering at H1 and ZEUS.
Proc. of the Europ. Workshop on the QCD Structure of the Nucleon (QCD-N'02), Ferrara/I (Nucl. Phys. A711 (2002) 165) und hep-ex/0207030
- G. FRISING
Proton Structure Function Measurements from HERA.
Proc. of the 32nd Int. Sympos. on Multiparticle Dynamics (ISMD), Alushta/UA (2002)
- J. GAYLER
Proton Structure Function Measurements from HERA.
Proc. of the 32nd Int. Sympos. on Multiparticle Dynamics (ISMD), Alushta/UA (2002) und hep-ex/0211051
- Experimental Approaches to Low x at HERA.
Proc. of the 32nd Int. Sympos. on Multiparticle Dynamics (ISMD), Alushta/UA (2002) und hep-ex/0211072
- R. GERHARDS
Open Heavy Quark Production at HERA.
Proc. of the 5th Int. Conf. on Hyperons, Charm and Beauty Hadrons (BEACH2002), Vancouver/CAN (2002)
- D. HOFFMANN
H1 Calorimeter DAQ Upgrade for HERA II.
Proc. of the 10th Int. Conf. on Calorimetry in HEP, Pasadena/USA (2002)

Č. IŠSEVER

Structure Functions.

Proc. of the APS Meeting on HEP & Astronomy, Albuquerque/USA (2002)

L. JOENSSON

Real and Virtual Photon Structure.

Proc. of the 37th Rencontres de Moriond: QCD and High Energy Hadronic Interactions, Les Arcs/F (2002)

M. KARLSSON

Forward Jets and Forward π^0 Production at HERA.

Proc. of the Workshop on Low x Physics, Antwerpen/B (2002)

M. KAPISHIN

QCD and Diffraction.

Proc. of the 37th Rencontres de Moriond: QCD and High Energy Hadronic Interactions, Les Arcs/F (2002)

M. KLEIN

Structure Functions at HERA – Status and Future.

Proc. of the 6th Int. Sympos. on Radiative Corrections (RADCOR 02), Kloster Banz/D (2002)

B. KOBLITZ

Multivariate Analysis Techniques for Final State Reconstruction.

Proc. of the 14th Topical Conf. on Hadron Collider Physics (HCP2002), Karlsruhe/D (2002)

J. KROSEBERG

Open Heavy Flavour Production at HERA.

Proc. of the 17th Winter Inst. on Fund. Int., Lake Louise/CAN (2002) und hep-ex/0206042

W. LANGE

Current Status of the H1 Silicon Detectors.

Proc. of the 11th Int. Workshop on Vertex Detectors (VERTEX 2002) Kailua-Kona/Hawaii/USA (2002)

T. LASTOVICKA

H1 Inclusive Measurements and QCD Fits.

Proc. of the Workshop on Low x Physics, Antwerpen/B (2002)

P. LAYCOCK

Measurement and QCD Analysis of Inclusive Diffraction at HERA.

Proc. of the 32nd Int. Sympos. on Multiparticle Dynamics (ISMD), Alushta/UA

V. LENDERMANN

The Photonic Structure of Protons in ep Collisions.

Proc. of Hadron Structure '02, Herlany/SQ (2002)

HERA Event Generators for Low Mass Domain.

Proc. of the 14th Topical Conf. on Hadron Collider Physics (HCP2002), Karlsruhe/D (2002)

S. LEVONIAN

Polarized and Unpolarized eA Scattering at HERA.

Proc. of the Europ. Workshop on the QCD Structure of the Nucleon, Ferrara/I (2002) (Nucl. Phys. A711 (2002))

J. MARKS

Hadronic Calibration in H1.

Proc. of the Workshop on Energy Calibration of the ATLAS Calorimeters (ATLAScal), Ringberg/D (2002)

H.-U. MARTYN

Supersymmetry Physics at Linear Colliders.

Proc. of the 10th Int. Conf. on Supersymmetry and Unification of Fund. Int. (SUSY02), Hamburg/D (2002)

P. VANMECHELEN

A Very Forward Proton Spectrometer for H1.

Proc. of the Workshop on Diffractive Physics (LISHEP2002), Rio de Janeiro/BR (2002)

A. MEHTA

Review of H1 and ZEUS Structure Function Measurements.

Proc. of QCD 2002 in India (IQCD2002), Kanpur/IND (2002)

A.B. MEYER

Heavy Quark Production at HERA.

Proc. of the 14th Topical Conf. on Hadron Collider Physics (HCP2002), Karlsruhe/D (2002)

Charmonium Production.

Proc. of the 1st Int. Workshop on Frontier Science (IWFS), Frascati/I (2002)

D. MILSTEAD

Precision pQCD at HERA.

Proc. of the 22nd Conf. on Physics in Collision, Stanford/USA (2002)

S. MOHRDIECK

Vector Mesons and pQCD at HERA.

Proc. of the 37th Rencontres de Moriond: QCD and High Energy Hadronic Interactions, Les Arcs/F (2002)

P. NEWMAN

Diffractive and Inclusive ep Cross Sections.

Proc. of the Workshop on Diffractive Physics (LISHEP2002), Rio de Janeiro/BR (2002)

H1 F_2^D and Leading Baryon Measurements / QCD Fits.

Proc. of the Workshop on Low x Physics, Antwerpen/B (2002)

C. NIEBUHR

Options and Implications for ep Experiments at HERA and beyond.

Proc. of the 8th Int. Conf. on Instrum. for Colliding Beam Physics, Novosibirsk/RUS (2002)

H1 and ZEUS after the Luminosity Upgrade of HERA.

Proc. of the 14th Topical Conf. on Hadron Collider Physics (HCP2002), Karlsruhe/D (2002)

J. OLSSON

Meson Production and Spectroscopy at HERA.

Proc. of the 7th Int. Workshop on Meson Prod., Properties and Int. (MESON2002), Cracow/PL (2002) und hep-ph/0209101

B. REISERT

NLO QCD Fits in H1.
Proc. of the Conf. on Adv. Statistical Techniques in Part. Phys.,
Durham/GB (2002)

E. RIZVI

HERA Structure Function Measurements.
Proc. of the Int. Conf. on Advanced Topics in QCD, Beijing/VRC
(2002)

S. SCHÄTZEL

Diffractive Final States at HERA.
Proc. of the Workshop on Low x Physics, Antwerpen/B (2002)

J. SCHEINS

Search for Physics beyond the Standard Model at HERA.
Proc. of the 15th Rencontre de Physique de la Vallée d'Aoste, La
Thuile/I (2002)

Hard Diffraction at HERA – Recent Results and QCD Interpretation.

Proc. of the Workshop on the Central Production of Glueballs,
Upton/USA (2002)

H.-C. SCHULTZ-COULON

Electron-Proton Scattering at High Q^2 – Recent Results and Future
Perspectives Testing QCD and Electroweak Theory at HERA.
Proc. of the 37th Rencontres de Moriond: Electroweak Interactions
and Unified Theories, Les Arcs/F (2002) und hep-ex/0205087

C. SCHWANENBERGER

The Jet Calibration in the H1 Liquid Argon Calorimeter.
Proc. of the 10th Int. Conf. on Calorimetry in HEP, Pasadena/USA
(2002) und physics/0209026

F. SEFKOW

Heavy Quark Physics at HERA.
Proc. of the 30th SLAC Summer Inst. (SSI2002), Stanford/USA
(2002)

V. SHEKELYAN

Electron Calibration in H1.
Proc. of the Workshop on Energy Calibration of the ATLAS
Calorimeters (ATLAScal), Ringberg/D (2002)

Y. SIROIS

SUSY and Exotics at HERA.
Proc. of the 10th Int. Conf. on Supersymmetry in Physics (SUSY
02), Hamburg/D (2002)

Searches and Discovery Prospects at HERA.

Proc. of the 14th Topical Conf. on Hadron Collider Physics
(HCP2002), Karlsruhe/D (2002)

A. SPECKA

The New H1 Luminosity System for HERA II.
Proc. of the 8th Int. Conf. on Instrum. for Colliding Beam Physics,
Novosibirsk/RUS (2002)

Recent Topics from Structure-Function Measurements at HERA.
Proc. of the 16th Int. Conf. on Particles and Nuclei (PANIC02),
Osaka/J (2002)

R. STAMEN

Recent Topics from Structure Function Measurements at HERA.
Proc. of the 16th Int. Conf. on Particles and Nuclei (PANIC02),
Osaka/J (2002)

M. URBAN

The CIP2k First Level Trigger System at the H1 Experiment at
HERA.
Proc. of the IEEE Nucl. Sci. Symposium, Norfolk/USA (2002)

A. VALKAROVA

Deep Virtual Compton Scattering at HERA.
Proc. of the Adv. Study Inst. on Symmetries and Spin (PRAHA-
SPIN), Prague/CZ (2002)

Low Q^2 Physics at HERA.

Proc. of the 32nd Int. Sympos. on Multiparticle Dynamics (ISMD),
Alushta/UA

D. WEGENER

The Structure of Shadow-Diffraction at HERA.
Proc. of the 10th Mexican School of Particles and Fields
(XMSPF2002), Playa del Carmen/MEX (2002)

A. WHYATT

High $|t|$ Gaps between Jets.
Proc. of the Workshop on Diffractive Physics (LISHEP2002), Rio
de Janeiro/BR (2002)

F. ZOMER

Parton Distribution Functions and QCD Fitting to F_2 at HERA.
Proc. of the 37th Rencontres de Moriond: QCD and High Energy
Hadronic Interactions, Les Arcs/F (2002)

Vorträge

DPG Frühjahrstagung Teilchenphysik, Leipzig/D (2002)

S. BAUMGARTNER

Eine multifunktionale Prozessorkarte für den Fast Track Trigger
(FTT) bei H1.

O. BEHRENDT

Identifikation von J/ψ -Vektormesonen mit dem H1 Fast Track
Trigger.

C. VON CUBE

Untersuchungen zur exklusiven Photoproduktion von Mesonen
durch Odderon- oder Pomeron-Austausch bei HERA.

A. DUBAK

High Q^2 Neutral Current Cross Section Measurement.

C. DUPREL

Messung der Protonstrukturfunktion F_2 bei kleinen Q^2 mit dem
H1-Detektor.

- G. FRISING
Hadronische W-Boson-Suche beim H1-Experiment.
- T. GREENSHAW
QCD and Hadron Structure.
- R. LEMRANI
Analysis of Prompt Photon Production at H1.
- A. PETRUKHIN
Towards a Precise Measurement of the Proton Structure Function F_2 at Very Low Q^2 with the H1 Detector.
- B.C. REISERT
A New H1 NLO QCD Fit.
- M. URBAN
Das Triggersystem der CIP2K Kammer bei H1.
- W. BARTEL
Structure of the Proton.
8th Int. Conf. on Instrum. for Colliding Beam Physics, Novosibirsk/RUS (2002)
- T. BERNDT
The Odds for the Odderon.
Kolloquium, Univ. Heidelberg/D (2002)
- V. BLOBEL
Statistical Data Analysis in High Energy Physics.
3 Lectures, Graduiertenkurs, Sasbachwalden/D (2002)
- E. ELSEN
HERA beim Übergang zur hohen Luminosität – Ergebnisse und Ziele.
TU Dresden/D (2002)
- ep-Collider HERA – Präzisionsphysik und Entdeckungspotential.
Univ. Hamburg/D (2002)
- ep Streuung bei hoher Intensität – die Aufgabe von HERA II.
Univ. Dortmund/D (2002)
- H1 at HERA II – Prospects at the Upgraded ep-Collider.
SLAC Stanford/USA (2002)
- F.-P. SCHILLING
Hard Diffraction at HERA.
Precision pQCD at HERA.
Meeting of the APS Division of Particles and Fields, Williamsburg/USA (2002)
- P. SCHLEPER
H1 – Status and Perspectives.
53rd Open Session of the DESY PRC, Hamburg/D (2002)
- H.-C. SCHULTZ-COULON
The H1 Upgrade Project.
Univ. Cathol. Louvain-la-Neuve/B (2002)
- Untersuchung der Protonstruktur am ep-Speicherring HERA.
Univ. Heidelberg/D (2002)
- Warum hat das Proton eine so große Masse?
Sympos. 25. Lehrstuhljubiläum, Dortmund/D (2002)
- F. SEFKOW
A Fresh Look at HERA.
Kolloquium, Univ. Zürich/CH (2002)
- Review of HERA Results.
LHC Days, Split/HR (2002)
- R. STAMEN
Recent Results from H1.
DESY Hamburg/D (2002)
- Vektormeson-Produktion und DVCS bei HERA.
Kolloquium, Wuppertal/D (2002)
- E. TZAMARIUDAKI
Recent Highlights on Heavy Flavour Physics at HERA.
Four Season Conf., Thessaloniki/GR (2002)
- D. WEGENER
Hadronische Struktur des Photons und des Protons.
Kolloquium, Univ. Leipzig/D (2002)
Kolloquium, PTB Braunschweig/D (2002)
- Wie funktioniert ein Kalorimeter.
Abschiedskolloquium M. Kolander, Dortmund/D (2002)
- A fructibus eorum cognoscetis eos.
Summary Talk, Sympos. 25. Lehrstuhljubil., Dortmund/D (2002)
- Evolution des Kosmos – Fakten und Mutmaßungen.
KKV Diözeseverband Nieheim/D (2002)
- Modellierung und Simulation in der Teilchen- und Medizinphysik.
Workshop des Forschungsverb. Modellbildung und Simulation, Dortmund/D (2002)
- Dissertationen**
- A. ASTVATSATOUROV
Measurement of the Elastic ρ^0 -Meson Photoproduction Cross Section Using the Forward Proton Spectrometer at the H1 Detector at HERA.
Humboldt-Univ. zu Berlin/D (2002)
DESY-THESIS-2002-027
- T. BERNDT
Exclusive Pomeron- and Odderon-Induced Photoproduction of ω - and f_2 -Mesons at HERA.
Univ. Heidelberg/D (2002)
DESY-THESIS-2002-031, HD-KIP-01-22
- S. CARON
Jets in Photoproduction at HERA.
RWTH Aachen/D (2002)
DESY-THESIS-2002-035

C. COLLARD

Mesure de la structure en hélicité de la réaction $e + p \rightarrow e + \rho + Y$ en fonction de t à HERA.
Inter-Univ. Inst. for High Energies ULB-VUB, Brussels/B (2002)

N. DELERUE

Recherche de leptons excités dans les données de l'expérience H1 auprès du collisionneur HERA.
Univ. de la Méditerranée, Aix-Marseille/F (2002)
DESY-THESIS-2002-017, CPPM-T-2002-01

D. ECKSTEIN

Messung der Longitudinalen Strukturfunktion $F_L(x, Q^2)$ mit dem HERA-Experiment H1.
Humboldt-Univ. zu Berlin/D (2002)
DESY-THESIS-2002-008

J. GASSNER

A Measurement of D-Meson Production at HERA by Decay Vertex Identification.
ETH Zürich/CH (2002)

C. JOHNSON

A Measurement of the Diffractive Proton Structure Function $F_2^{D(3)}$ at Low Q^2 at the H1 Experiment at HERA.
Univ. of Birmingham/GB (2002)

B. KOBLITZ

Search for Instanton-Induced Processes with the H1 Detector in Deep-Inelastic Electron-Proton Collisions at HERA.
Univ. Hamburg/D (2002)
DESY-THESIS-2002-015, MPI-PHE-2002-07

J. KROSEBERG

A Measurement of Beauty Production in High-Energy Positron-Proton Scattering.
Univ. Zürich/Ch (2002)

T. KUHR

Messung des Wirkungsquerschnittes von b-Quark-Produktion in tiefunelastischer Elektron-Proton-Streuung bei H1.
Univ. Hamburg/D (2002)
DESY-THESIS-2002-036

J. RAUSCHENBERGER

Prozesse des geladenen Stromes in tiefunelastischer Positron-Proton Streuung.
Univ. Hamburg/D (2002)

Diplomarbeiten**O. BEHRENDT**

Entwicklung von Algorithmen zur Identifikation von Vektormeson-Ereignissen mit dem neuen H1-Spurtrigger.
Univ. Dortmund/D (2002)

N.E. BERGER

Development of a z-Vertex Trigger Based on Drift Chamber Signals at H1.
ETH Zürich/CH (2002)

M. RÜCKERT

Diffraktive Elektroproduktion von J/ψ Mesonen in der objektorientierten Analyse-Umgebung von H1.
Univ. Hamburg/D (2002)

S. VOLLAND

Myonidentifikation mit neuronalen Netzen bei H1.
Univ. Hamburg/D (2002)

ZEUS

Veröffentlichungen

ZEUS KOLLABORATION, S. CHEKANOV et al.

Exclusive Photoproduction of J/ψ Mesons at HERA.
Eur. Phys. J. C24 (2002) 345 und DESY 02-008

Measurement of the Q^2 and Energy Dependence of Diffractive Interactions at HERA.
Eur. Phys. J. C25 (2002) 169 und DESY 02-029

Leading Neutron Production in e^+p Collisions at HERA.
Nucl. Phys. B637 (2002) 3 und DESY 02-039

Measurement of High- Q^2 Charged Current Cross Sections in e^-p Deep Inelastic Scattering at HERA.
Phys. Lett. B539 (2002) 197 und DESY 02-064

Measurement of Proton-Dissociative Diffractive Photoproduction of Vector Mesons at Large Momentum Transfer at HERA.
Eur. Phys. J. C26 (2003) und DESY 02-072

Measurement of Diffractive Production of $D^{*\pm}$ (2001) Mesons in Deep Inelastic Scattering at HERA.
Phys. Lett. B545 (2002) 244 und DESY 02-082

A ZEUS Next-to-Leading-Order QCD Analysis of Data on Deep Inelastic Scattering.
Phys. Rev. D67 (2003) 012007 und DESY 02-105

Inclusive Jet Cross Sections in the Breit Frame in Neutral Current Deep Inelastic Scattering at HERA and Determination of α_s .
Phys. Lett. B547 (2002) 164 und DESY 02-112

Measurement of High- Q^2 e^-p Neutral Current Cross Sections at HERA and the Extraction of xF_3 .
DESY 02-113, zur Veröffentl. in Eur. Phys. J. C

Leading Proton Production in e^+p Collisions at HERA.
Nucl. Phys. B658 (2003) 3 und DESY 02-142

Measurements of Inelastic J/ψ and ψ' Photoproduction at HERA.
Eur. Phys. J. C27 (2003) 173 und DESY 02-163

Study of the Azimuthal Asymmetry of Jets in Neutral Current Deep Inelastic Scattering at HERA.
Phys. Lett. B551 (2003) 3 und DESY 02-171

Observation of the Strange Sea in the Proton via Inclusive ϕ -Meson Production in Neutral Current Deep Inelastic Scattering at HERA. Phys. Lett. B553 (2003) 141 und DESY 02-184

Measurement of Event Shapes in Deep Inelastic Scattering at HERA. Eur. Phys. J. C27 (2003) 531 und DESY 02-198

Measurement of Subjet Multiplicities in Neutral Current Deep Inelastic Scattering at HERA and Determination of α_s . Phys. Lett. B558 (2003) 41 und DESY 02-217

Scaling Violations and Determination of α_s from Jet Production in γp Interactions at HERA. Phys. Lett. B560 (2003) 7 und DESY 02-228

S.P. BARANOV, H. JUNG, L. JONSSON, S. PADHI, N.P. ZOTOV Associated D^* and Dijet Production at HERA as a Test of the $K(T)$ -Factorization Approach. Acta Phys. Pol. B33 (2002) 3257

A Phenomenological Interpretation of Open Charm Production at HERA in Terms of the Semi Hard Approach. Eur. Phys. J. C24 (2002) 425 und DESY 02-017, LUNDFD6-NFFL-7209-2002

L.A.T. BAUERDICK et al. Beam Test of Silicon Strip Sensors for the ZEUS Micro Vertex Detector. Nucl. Instrum. Methods A501 (2003) 340 und hep-ex/0212037

G. BRUNI, S. LIMENTANI Com' è fatto il protone? la fisica a HERA. INFN notizie 10 (2002) 5

P.J. BUSSEY Heavy Flavour Physics at HERA – A Survey. Int. J. Mod. Phys. A17 (2002) 1065 und DESY 01-197

J.M. BUTTERWORTH, S. BUTTERWORTH JetWeb: A WWW Interface and Database for Monte Carlo Tuning and Validation. hep-ph/0210404

J.M. BUTTERWORTH et al. KtJet: A C++ Implementation of the K_T Clustering Algorithm. hep-ph/0210022, zur Veröffentlich. in Comput. Phys. Commun.

D. DANNHEIM, U. KOETZ, C. COLDEWEY, E. FRETWURST, A. GARFAGNINI, R. KLANNER, J. MARTENS, E. KOFFEMAN, H. TIECKE, R. CARLIN Design and Tests of the Silicon Sensors for the ZEUS Micro Vertex Detector. DESY 02-215, zur Veröffentlich. in Nucl. Instrum. Methods A

M. KUZE, Y. SIROIS Search for Particles and Forces beyond the Standard Model at HERA ep and Tevatron pp Colliders. DESY-02-165, hep-ex/0211048, zur Veröffentlich. in Prog. Part. Nucl. Phys.

E. LOHRMANN, T. BUEHRKE Neue Fenster zum All. Physik in unserer Zeit 6 (2002) 250

Veröffentlichte Vorträge

Proc. of the 10th Int. Workshop on Deep Inelastic Scattering (DIS2002), Cracow/PL (2002) (Acta Phys. Pol. B33 (2002))

S. BOOGERT Strange Particle Production at HERA.

K. BORRAS Leading Neutron Production and F_2^{π} at HERA.

A. CALDWELL Future of Small-x and Diffraction after 2006.

M. CAPUA Results on Inclusive Diffraction from ZEUS.

M. DERRICK Study of Bose-Einstein Correlations in Deep Inelastic Scattering.

C. FODAS High- E_T Jet Production at HERA.

C. GENTA Lepton Flavour Violation at HERA.

S. GRIJINK Charged Current Interactions in Deep Inelastic Scattering at ZEUS.

C. GWENLAN Multi-Jet Production in Photoproduction.

M. HELBICH High-x Measurements at HERA-II.

S. HILLERT The Internal Structure of Jets at HERA.

K.H. KLIMEK Proton-Dissociative Diffractive Photoproduction of Vector Mesons at High Momentum Transfer at HERA.

A. LEVY Vector Mesons Electroproduction in ep Interaction.

M. LIGHTWOOD Study of Virtual Photon Structure in Charm Production.

A. LUPI Real Photon Structure.

F. METLICA Polarization as a Tool at HERA.

M. MORITZ Results on High Q^2 NC Interactions from ZEUS.

S. PADHI
Charm Fragmentation and Dijet Angular Distributions.

S. ROBINS
D* Production in DIS at ZEUS.

J. SZTUK
Leptoquark Search at HERA.

E. TASSI
A ZEUS NLO QCD Analysis of Data on Deep Inelastic Scattering.

M. TURCATO
Beauty Photoproduction.

N. VLASOV
Charm in Diffractive Deep Inelastic Scattering.

A. WEBER
Search for Excited Fermions in ep Collisions at HERA.

J. WHITMORE
QCD and Proton and Photon Structure since DIS2001.

Proc. of the 31st Int. Conf. on High Energy Physics (ICHEP02), Amsterdam/NL (2002)

L. BELLAGAMBA
Exited Fermions and other Searches at HERA.

A. BRUNI
Production of Vector Mesons at HERA.

V. CHIOCHIA
Latest Results of Beauty Quark Production at HERA.

A. KAPPES
Structure Function Results from ZEUS.

K. LONG
QCD at High Energy

S. SAVIN
Diffractive Charm and Jet Production at HERA.

W. SCHMIDKE
Leading Baryons at HERA.

B. STRAUB
Minireview on Leptoquarks at HERA, LEP and Tevatron.

M. SUTTON
Jet Production in DIS at HERA.

Proc. of the 14th Topical Conf. on Hadron Collider Physics (HCP2002), Karlsruhe/D (2002)

S. CHEKANOV
Jet Reconstruction Algorithms.

E. GALLO
Isolated Lepton Signatures at HERA.

O. GONZALEZ
Jet Production at HERA.

A. LEVY
Measurement of Diffractive Processes at HERA.

H. SCHNURBUSCH
The Proton Structure as Measured at HERA.

H. ABRAMOWICZ
Diffraction at Medium Energies.
Proc. of the Europ. Workshop on the QCD Structure of the Nucleon (QCD-N'02), Ferrara/I (Nucl. Phys. A711 (2002))

G. AGHUZUMTSYAN
Charm Production at HERA using the ZEUS Detector.
Proc. of the 10th Spin Workshop, Nor Amberd/ARM (2002)

M. BARBI
Calibration and Monitoring of the ZEUS UCAL.
Proc. of the 10th Int. Conf. on Calorimetry in HEP, Pasadena/USA

B. BODMANN, S. GÖB, U. HOLM
LET Effects of Neutron Irradiated Plastic Scintillators.
Proc. of the 5th Int. Sympos. on Ionizing Radiation and Polymers, St. Adele/CAN (2002) (Nucl. Instrum. Methods B)

D. BOSCHERINI
Results on Searches beyond the SM at HERA.
Proc. of the 37th Recontres de Moriond: Electroweak Interactions and Unified Theories, Les Arcs/F (2002)

I. BROCK
QCD Studies at HERA.
Proc. of the 16th Recontre de Physique de la Vallée d'Aoste, La Thuile/I (2002)

R. BRUGNERA
Charmonium Production at HERA.
Proc. of the 5th Int. Conf. on Hyperons, Charm and Beauty Hadrons, Vancouver/CAN (2002)

G. BRUNI
Heavy Flavour Production at HERA.
Proc. of the 9th Int. Conf. on QCD, Montpellier/F (2002)

P. BUSSEY
Jet Physics at HERA.
Heavy Flavour Physics at HERA.
Proc. of the 16th Int. Conf. on Particles and Nuclei, Osaka/J

J.M. BUTTERWORTH et al.
Jet Energy Flow Project.
Proc. of the APS/DPF/DPB Summer Study on the Future of Particle Physics, Snowmass/USA (2001) und hep-ph/0202207

M. CAPUA
Recent Results on Diffractive Structure Functions.
Proc. of the NATO Adv. Research Workshop on Diffraction, Alushta/UA (2002)

J. CHWASTOWSKI
Physics Results and Future Plans of the ZEUS Experiment.
Proc. of the 12th Int. Seminar on High Energy Phys. (QUARKS 2002), Novgorod/RUS

J. CIBOROWSKI

Exclusive Vector Meson Production at HERA.
Proc. of the Europ. Workshop on the QCD Structure of the Nucleon (QCD-N'02), Ferrara/I (Nucl. Phys. A711 (2002))

R. CIESIELSKI

Vector Meson Production and DVCS at HERA.
Proc. of the 32nd Int. Sympos. on Multiparticle Dynamics (ISMD), Alushta/UA (2002)

A. COOPER-SARKAR

The ZEUS NLO QCD Fit to Determine Parton Distributions and α_s .
Proc. of the Conf. on Adv. Statistical Techniques in Part. Phys., Durham/GB (2002)

M. CORRADI

Search for New Physics at HERA.
Proc. of the 17th Winter Inst. on Fund. Int., Lake Louise/CAN (2002)

D. DANNHEIM

Searches for Flavour Changing Neutral Currents and Lepton Flavour Violation at HERA.
Proc. of the 10th Int. Conf. on Supersymmetry in Physics (SUSY 02), Hamburg/D (2002) und hep-ex/0212004

R. DEVENISH

Low-x Physics at HERA
Proc. of the 22nd Conf. on Physics in Collision, Stanford/USA (2002)

Y. EISENBERG

Heavy Quark Production Cross Sections at HERA Compared with pQCD.
Proc. of the 3rd Int. Sakharov Conf. on Physics, Moscow/RUS (2002)

J. FIGIEL

Vector Meson Production at HERA.
Proc. of the Int. Conf. on High Energy Interactions, Herlany/SK (2002)

G. FLEMING, E. KINNEY, S. LAMMERS, S. MAGILL

Future Possibilities for Lepton Hadron Collider Physics and Detectors.
Proc. of the APS/DPF/DPB Summer Study on The Future of Part. Phys., Snowmass/USA (2001) und hep-ex/0201045

P. GOETTLICHER

The ZEUS Hadron-Electron-Separator.
Proc. of the 10th Int. Conf. on Calorimetry in HEP, Pasadena/USA (2002)

I. GRABOWSKA-BOLD

Prompt Photons and Deeply Virtual Compton Scattering at HERA.
Proc. of the 37th Rencontres de Moriond: QCD and Hadronic Interactions, Les Arcs/F (2002)

R. HALL-WILTON

Charm and Beauty Production at HERA.
Proc. of the Int. Conf. on High Energy Interactions, Herlany/SK (2002)

A. LONGHIN

Heavy Flavor Production at HERA.
Proc. of the 37th Rencontres de Moriond: QCD and Hadronic Interactions, Les Arcs/F (2002) und hep-ex/0205052

U. KATZ

HERA Searches for Leptoquarks and Excited Fermions.
Proc. of the Conf. on Physics beyond the Standard Model, Oulu/FIN (2002)

A. KREISEL

Exclusive Vector Meson Production at HERA.
Proc. of the Workshop on Diffractive Physics (LISHEP2002), Rio de Janeiro/BR (2002)

J. MARTIN

High Q^2 Physics at HERA II.
Proc. of the 17th Winter Inst. on Fund. Int., Lake Louise/CAN (2002)

M.C. PETRUCCI

Recent Results on Leading Baryon Production.
Proc. of the NATO Adv. Research Workshop on Diffraction, Alushta/UA (2002)

D. NOTZ

Konzepte für die Experimente bei TESLA.
Frühjahrstg. der Studiengr. Elektron. Instrum., GSI Darmstadt/D (2002) HMI-B 586, Juli 2002, ISSN 1438-496

Zuverlässigkeitstheorie.

Herbsttg. der Studiengr. Elektron. Instrum., Frankfurt/D (2002) HMI-B 589, Januar 2003, ISSN 1438-496

R. SACCHI

ZEUS LPS.
Proc. of the Workshop on Diffractive Physics (LISHEP2002), Rio de Janeiro/BR (2002)

A. SAVIN

Exclusive Diffractive Reactions – Vector Meson Production and DVCS.
Proc. of the NATO Adv. Research Workshop on Diffraction, Alushta/UA (2002)

D. SAXON

Heavy Quark Production
Proc. of the 1st Int. Workshop on Frontier Science, Frascati/I (2002)

U. SCHNEEKLOTH

The HERA ep Interaction Regions.
Rear Detection Systems and Luminosity Measurement at H1 and ZEUS.
HERA Luminosity Upgrade – Constraints on the Interaction Regions.
Proc. of the Workshop on the Electron Ion Collider, BNL Upton/USA (2002)

A. SOLANO

Hadronic Final States in Diffraction.
Proc. of the Workshop on Diffractive Physics (LISHEP2002), Rio de Janeiro/BR (2002)

L. STANCO

Proton and Photon Structure at HERA.
Proc. of the 9th Int. Conf. on QCD, Montpellier/F (2002)

M. WING

Determination of the Calorimeter Jet Energy Scale Using the ZEUS Detector.
Proc. of the 10th Int. Conf. on Calorimetry in HEP, Pasadena/USA (2002)

Y. YAMAZAKI

QCD Interpretation of Diffraction
Proc. of the 16th Int. Conf. on Particles and Nuclei, Osaka/J

R. YOSHIDA

Proton Structure Results from the HERA Collider.
Proc. of the 9th Int. Conf. on the Structure of Baryons, Newport News/USA (2002)

T. ZOUFAL, K. WICK, B. BODMANN

The Damaging Process in Irradiated Light Guides and Scintillating Fibers.
Proc. of the 5th Int. Sympos. on Ionizing Radiation and Polymers, St. Adele/CAN (2002) (Nucl. Instrum. Methods B)

Vorträge

DPG Frühjahrstagung Teilchenphysik, Leipzig/D (2002)

I. BLOCH

Ergebnisse des ZEUS Mikro-Vertex-Detektor Systemtests.

K. BORRAS

Ein- und Ausblicke in die harte Diffraktion aus ep und $\bar{p}p$ Streuungen.

V. CHIOCHIA

Measurement of Bottom Electroproduction at HERA.

D. DANNHEIM

Suche nach Ereignissen mit einem isolierten hochenergetischen Lepton und fehlendem Transversalimpuls mit dem ZEUS Detektor bei HERA.

O. GUTSCHE

Die Client-Server-Struktur für ein neues Event-Display für das ZEUS-Experiment.

S. HILLERT

Suche nach QCD-Instantonen.

B. KAHLE

Tomographie der Erde durch Oszillation atmosphärischer Neutrinos.

D. LELAS

The ZEUS C5 Counter and the HERA Test Running.

M. MORITZ

Messung der NC-Wechselwirkungsquerschnitte bei hohem Impulsübertrag in e^+p Streuung mit dem ZEUS Detektor bei HERA.

C. NGUYEN

Identifikation von Tau-Leptonen bei ZEUS.

M. VAZQUEZ

Measurement of Jet Cross Sections in Charged Current Deep-Inelastic Scattering at HERA.

ANDY ZIEGLER

Messung der inklusiven Produktion von s-Baryonen in der tief-unelastischen Streuung bei HERA.

ARZU ZIEGLER

Strahlenschadenmessungen an Szintillationsfasern.

K. BORRAS

Ein- und Ausblicke in die harte Diffraktion aus ep und $\bar{p}p$ Streuungen.
Graduierten-Kolleg, Univ. Dortmund/D (2002)

Kalorimetrie am Lehrstuhl Exp. Physik V.
Festkolloquium, Univ. Dortmund/D (2002)

N. BRUMMER

HERA Physics.
PHENO 2002 Symposium, Madison/USA (2002)

J.M. BUTTERWORTH

HERA (P)REVIEW.
IPPP Workshop on TeV-Scale Physics, Cambridge/GB (2002)

J. COLE

Gaps between Jets at HERA
Workshop on Low x Physics, Antwerpen/B (2002)

M. COOPER-SARKAR

Inclusive Measurements and QCD Fits at HERA.
Workshop on Low x Physics, Antwerpen/B (2002)

A. GARFAGNINI

Inclusive Diffraction and Leading Baryon Production at HERA.
Workshop on Low x Physics, Antwerpen/B (2002)

A. GEISER

Neutrino-Oszillationen und Long-Baseline-Experimente.
Univ. Siegen/D (2002)

Neutrino Oscillation Experiments.

Lectures, Int. Summer School on CP Violation, Baryogenesis, and Neutrinos, Prerow/D (2002)

L. GLADILIN

Production of Heavy Flavours in ee, ep and pp Scattering.
6th Int. Workshop on Heavy Quarks and Leptons, Salerno/I (2002)

T. HAAS

Hadronic Final States at HERA.
Int. Conf. on Advanced Topics of QCD, Beijing/VRC

G. IACOBUCCI
HERA Physics.
Workshop on Ultra-Peripheral Ion Collisions, CERN Geneva/CH

E. KINNEY, U. STÖSSLEIN
Summary of Working Group III – Physics at a Polarized eN Collider.
1st HERA III Workshop, München/D (2002)

E. LOHRMANN
Message from DESY.
Memorial Symposium for Willibald Jentschke, CERN Geneva/CH (2002)

K. LONG
QCD at High Energy.
IPPP Workshop on TeV-Scale Physics, Cambridge/GB (2002)

Polarisation Measurements on e^\pm Beams.
Proc. of the 8th Int. Conf. on Instrum. for Coll. Beam Physics, Novosibirsk/RUS (2002)

R. MANKEL
Computing at DESY.
FZK Karlsruhe/D (2002)

Hochleistungsrechnen mit Commodity-Komponenten.
One World Camp Prora, Binz/D (2002)

Computing in der Hochenergiephysik – Von der Nord zum Grid.
Univ. Dortmund/D (2002)

A. TAPPER
Calibration of the ZEUS Calorimeter for Electrons.
Workshop on Energy Calibration of the ATLAS Calorimeters, Ringberg Castle/D (2002)

M. WING
Physics at HERA – A Review of Recent Results.
IoP HEPP Conf., Brighton/GB (2002)

G. WOLF
Experimental Highlights from the First Ten Years of the HERA Collider.
Univ. Warsaw/PL (2001)

Habilitation

A. GEISER
Neutrino Physics with Accelerators and beyond.
Univ. Hamburg (2002)
Rep. Prog. Phys. 63 (2000) 1779

Dissertationen

S. BOOGERT
Photoproduction of K_S^0 Mesons and Λ Baryons in ep Collisions at ZEUS.
Univ. of Oxford/GB (2002)

O. GONZALEZ
Precise Determinations of the Strong Coupling Constant.
Univ. Autónoma de Madrid/E (2002)
DESY-THESIS-2002-020

S. HILLERT
A Search for QCD-Instantons in Deep-Inelastic ep Scattering with the ZEUS Detector at HERA.
Univ. Hamburg/D (2002)
DESY-THESIS-2002-052

A. KOWAL
Helicity Analysis for Vector Mesons Produced in Proton-Dissoziative Diffractive Photoproduction at Large Momentum Transfer at HERA.
Univ. of Mining and Metallurgy, Cracow/PL (2002)

B. MELLADO
Measurement of Diffractive Heavy Vector Meson Photoproduction at HERA with the ZEUS Detector.
Columbia Univ. New York/USA (2002)

M. MORITZ
Measurement of the High Q^2 Neutral Current DIS Cross Section at HERA.
Univ. Hamburg/D (2002)
DESY-THESIS-2002-009

E. RODRIGUES
Measurement of Azimuthal Asymmetries in DIS at HERA.
Univ. of Bristol/GB (2002)

H. SCHNURBUSCH
Measurement of the Proton Structure from High- Q^2 Neutral Current Events in e^+p Deep Inelastic Scattering at HERA.
Univ. Bonn/D (2002)
BONN-IR-2002-11

A. WEBER
Search for Excited Leptons in ep Scattering at HERA Using the ZEUS Detector.
Univ. Bonn/D (2002)
BONN-IR-2002-05

H. WESSOLECK
Messung der Wirkungsquerschnitte für den tiefinelastischen, inklusiven Prozess $e^+p \rightarrow \nu_e X$ an der Speicherring-Anlage HERA mit ZEUS-Daten aus den Jahren 1999 und 2000.
Univ. Bonn/D (2002)
BONN-IR-2002-02

A. ZIEGLER
Measurement of Inclusive Ξ^- and $\Sigma(1385)^\pm$ Baryon Production in Neutral Current Deep Inelastic Scattering at HERA.
Univ. Hamburg/D (2002)
DESY-THESIS-2002-050

T. ZOUFAL
Beeinträchtigung der optischen Eigenschaften und Veränderung der Fluoreszenz von Kunststoffszintillatoren durch Röntgenstrahlung.
Univ. Hamburg/D (2002)
DESY-THESIS-2002-013

Diplomarbeiten

V. ADLER

The System Test of the ZEUS Microvertex Detector: Calibration and Digitisation of the Detector Signals.

Univ. Hamburg/D (2002)

DESY-THESIS-2002-032

I. BLOCH

The ZEUS Micro-Vertex Detector System Test – Triggering and Data Analysis.

Univ. Hamburg/D

DESY-THESIS 2002-001

D. BÖTTGER

Kombinierte Spurrekonstruktion im Vorwärtsbereich des ZEUS-Detektors.

Univ. Bonn/D (2002)

BONN-IB-2002-08

L. CARONE

Impulsrekonstruktion mit Hilfe der Vorwärtsdriftkammern des ZEUS-Detektors.

Univ. Bonn/D (2002)

BONN-IB-2002-05

S. GÖB

Vergleich von optischen Strahlenschäden durch Neutronen- und γ -Strahlung an Szintillatoren und Wellenlängenschiebern.

Univ. Hamburg/D (2002)

U. MEYER

Alignment des Straw-Tube-Detektors im ZEUS-Experiment.

Univ. Bonn/D (2002)

BONN-IB-2002-14

C.N. NGUYEN

Identification of τ Leptons from Single $W \rightarrow \tau\nu_\tau$ Production with the ZEUS Detector.

Univ. Hamburg/D (2002)

M. ROSSI

DIS con produzione di beauty nell'esperimento ZEUS a HERA.

Univ. Padova/I (2002)

A. SALVESTRIN

Ricerca del decadimento $D^* \rightarrow \mu^+\mu^-$ con il rivelatore ZEUS a HERA.

Univ. Padova/I (2002)

HERMES**Veröffentlichungen**

C. BAUMGARTEN et al.

Measurements of Atomic Recombination at the HERMES Hydrogen/Deuterium Storage Cell Target.

Nucl. Instrum. Methods A496 (2003) 263

The Polarized H/D Internal Target Storage Cell for the HERMES Experiment at HERA.

Nucl. Instrum. Methods A496 (2003) 277

M.G. VAN BEUZEKOM et al.

The HERMES Silicon Project – the Radiation Protection System.

Zur Veröffentl. in Nucl. Instrum. Methods A

Recoil Detection at Future QCD Facilities.

Zur Veröffentl. in Nucl. Instrum. Methods A

H. JACKSON

HERMES and the Spin of the Proton.

Int. J. Mod. Phys. A17 (2002) 3551

K. RITH

Spin Asymmetries in Deep-Inelastic Electron-Nucleon Scattering – Selected HERMES Results.

Prog. Part. Nucl. Phys. 49 (2002) 245

Veröffentlichte Vorträge**Proc. of the Europ. Workshop on the QCD Structure of the Nucleon (QCD-N2002), Ferrara/I (2002)**

A. BORISSOV

Exclusive Vector Meson Production on Nuclei at HERMES.

F. ELLINGHAUS

Beam-Charge Asymmetry Associated with DVCS at HERMES. hep-ex/0207029

D. HASCH

HERMES Results and Future on DVCS and DVE.

N.C.R. MAKINS

Transverse Spin: HERMES Results and Future Plans.

V. MUCCIFORA

Hadron Formation in DIS from Nuclear Targets and Nuclear Transparency.

K. RITH

Future Plans at HERMES.

G. VAN DER STEENHOVEN

Concluding Remarks on QCD-N'02 Workshop in Ferrara.

Proc. of the 10th Int. Workshop on Deep Inelastic Scattering and QCD (DIS2002), Cracow/PL (2002)

A. AIRAPETIAN

Diffractive Exclusive Electro-Production of ρ Mesons at HERMES.

A. BRÜLL

Measurement of $R = \sigma_L/\sigma_T$ in Deep Inelastic Scattering on Nuclei.

M. CONTALBRIGO

New Precision Results on the Spin Structure Function g_1^d .

M. DÜREN
Single-Spin Asymmetries in Semi-Inclusive DIS at HERMES.

A. FANTONI
Experimental Evidence for Quark-Hadron Duality in Spin Structure Function.

E. GARUTTI
Hadron Formation in Nuclei DIS.

O. GREBENYUK
Transverse Polarization of Λ and $\bar{\Lambda}$ Produced Inclusively in eN Scattering at HERMES.

Y. NARYSHKIN
Study of Λ -Hyperon Production in the HERMES Experiment.

R. SHANIDZE
Recent HERMES Results on DVCS Associated Asymmetries.

M.C. SIMANI
Recent Results on the Helicity Structure of the Nucleon from HERMES.

U. STÖSSLEIN
Status and Perspectives of Spin Physics.

**Proc. of the 10th NATO Advanced Spin Physics Workshop,
Nor Amberg/ARM (2002)**

A. AIRAPETIAN
Coherent ρ Meson Production at HERMES.

N. AKOPOV
The Q^2 Dependence of Gerasimov-Drell-Hearn Integral at HERMES.

M. AMARIAN
Electro-Production of Real Photons via DVCS at HERMES.

N. BIANCHI
Nuclear Attenuation in DIS.

A. BORISSOV
Spin Physics of Vector Meson Production at HERMES.

A. BRÜLL
Prospects on Electron-Ion-Collider (EIC).

O. GREBENYUK
Transverse Polarization of Λ and $\bar{\Lambda}$.

H. JACKSON
Flavor Structure of the Nucleon as Revealed at HERMES.

W.D. NOWAK
Future Fixed-Target eN-Scattering in Europe.

D.RYCKBOSCH
Exclusive Meson Production at HERMES.

K.P. SCHULER
HERA Transverse Polarimeter Absolute Scale and Error by Rise-Time Calibration.

Proc. of the 15th Int. Spin Physics Sympos. (SPIN2002), Brookhaven/USA (2002)

A. BRÜLL
Transverse Polarization of Λ and $\bar{\Lambda}$ -Hyperons in Quasi-Real Photon Nucleon Interactions.
Measurements of Polarized Parton Distributions at HERMES.

H.C. CHIANG
 Λ -Hyperon Production and Longitudinal Polarization at HERMES.

M. CONTALBRIGO
A First Measurement of the Tensor-Polarized Structure Function b_1^d .

F. ELLINGHAUS
Deeply Virtual Compton Scattering at Deuterium and Neon at HERMES.

R. FABBRI
Hard Exclusive Electro-Production of 2 Pions on Proton and Deuteron.

D. HASCH
Azimuthal Asymmetries in Meson Productions in Electron-Nucleon Deep Inelastic Scattering by HERMES.
The Physics Program of HERMES Run II.

R. KAISER
Perspectives for a Next-Generation Electron-Nucleon Scattering Facility in Europe.

P. LENISA
New Precision Results on the Spin Structure Function g_1^d .
The HERMES Internal Polarized H/D Target and Nuclear Polarization of Recombined Hydrogen Atoms on Drifilm.

A. MILLER
Semi-Inclusive Deep-Inelastic Scattering.

A. NASS
The HERMES Polarized Atomic Beam Source.

W.D. NOWAK
 Q^2 Dependence of the Generalized Gerasimov-Drell-Hearn Integral on the Deuteron, Proton and Neutron.

D. REGGIANI
Beam Induced Depolarizing Resonances in the HERMES Hydrogen/Deuterium Target.

C. SCHILL
Exclusive Electro-Production of Vector and Pseudo-Scalar Mesons at HERMES.

E. STEFFENS
Polarized Jets and Storage Cell Targets for Storage Rings.

E.C. ASCHENAUER

Spin Physics at HERMES

Proc. of the 16th Int. Conf. on Particles and Nuclei (PANIC2002), Osaka/J (2002)

M. BECKMANN

Recent Results on the Helicity Structure of the Nucleon from HERMES.

Proc. of the Workshop on Testing QCD through Spin Observables in Nuclear Targets, Charlottesville/USA (2002)

S. BELOSTOTSKI

The HERMES Experiment and $\Lambda / \bar{\Lambda}$ Production.

Proc. of the Adv. Study Inst. on Symmetries and Spin (PRAHA-SPIN2002), Prague/CZ (2002)

N. BIANCHI

HERMES Spin Physics.

Proc. of the 7th Int. Workshop on Meson Production, Properties and Interaction (MESON2002), Cracow/PL (2002)

A. BORISSOV

Exclusive Processes at Intermediate Energies: HERMES Results and Prospects.

Proc. of the Int. Workshop on Diffraction in High-Energy Physics (DIFF02), Crimea/UA (2002)

Exclusive Electro-Production of Vector Mesons at HERMES: Nuclear Effects.

Proc. of the Workshop on Exclusive Processes at High Momentum Transfer, Newport News/USA (2002)

A. BRÜLL

The Spin Structure of the Nucleon.

Proc. of the 22nd Conf. on Physics in Collision (PIC2002), Stanford/USA (2002)

P. DINEZZA

Hadron Formation in Nuclei.

Proc. of the Workshop on the Structure of Hadrons and Nuclei on the Light Cone, Los Alamos/USA (2002)

Hadron Formation.

Proc. of the 40th Int. Winter Meeting on Nuclear Physics, Bormio/I (2002)

J. ELY

Azimuthal Asymmetries Associated with Deeply Virtual Compton Scattering.

Proc. of the Workshop on Exclusive Processes at High Momentum Transfer, Newport News/USA (2002)

A. FANTONI

Experimental Evidence for Quark-Hadron Duality in Spin Structure Function.

Proc. of the 40th Int. Winter Meeting on Nuclear Physics, Bormio/I (2002)

B. FOX

DVCS.

Proc. of the 9th Int. Conf. on the Structure of Baryons (BARYONS 2002), Newport News/USA (2002)

E. GARUTTI

Hadron Formation in a Nuclear Environment.

Proc. of the 9th Int. Conf. on the Structure of Baryons (BARYONS 2002), Newport News/USA (2002)

D. GASKELL

Exclusive Processes at HERMES.

Proc. of the Workshop on Exclusive Processes at High Momentum Transfer, Newport News/USA (2002)

D. HASCH

Single-Spin Azimuthal Asymmetries in Pion Electro-Production.

Proc. of the 40th Int. Winter Meeting on Nuclear Physics, Bormio/I (2002)

B. HOMMEZ

RICH Data Analysis.

Proc. of the Int. Workshop on Ring Imaging Cherenkov Detectors (RICH2002), Pylos/GR (2002)

H. JACKSON

Structure of the Nucleon and Nuclei Studied by HERMES.

Proc. of the 16th Int. Conf. on Particles and Nuclei (PANIC2002), Osaka/J (2002)

RICH General and Physics Results.

Proc. of the Int. Workshop on Ring Imaging Cherenkov Detectors (RICH2002), Pylos/GR (2002)

R. KAISER

Measurement of Hard Exclusive Reactions with a Recoil Detector at HERMES.

Proc. of the 9th Int. Conf. on the Structure of Baryons (BARYONS 2002), Newport News/USA (2002)

E. KINNEY

Experimental Exploration of Exclusive Processes at HERMES.

Proc. of the Int. Workshop on Physics with Antiprotons at GSI, Darmstadt/D (2002)

K. LIPKA

Vector-Meson Production at Intermediate Energies of HERMES.

Proc. of the Adv. Study Inst. on Symmetries and Spin (PRAHA-SPIN), Prague/CZ (2002)

Vector Meson Production at HERMES.

Proc. of the Adv. Study Inst. on Symmetries and Spin (PRAHA-SPIN2002), Prague/CZ (2002)

N. MAKINS

Spin Physics Overview.

Proc. of the 31st Int. Conf. on High Energy Physics (ICHEP2002), Amsterdam/NL (2002)

Y. MIYACHI

Polarization of Λ and $\bar{\Lambda}$ Hyperons.

Proc. of the 16th Int. Conf. on Particles and Nuclei (PANIC2002), Osaka/J (2002)

The HERMES RICH Aerogel Radiator.

Proc. of the Int. Workshop on Ring Imaging Cherenkov Detectors (RICH2002), Pylos/GR (2002)

A. NAGAJTSEV

The Q^2 -Dependence of the Generalized GDH Sum Rule for Proton, Deuteron and Neutron.
Proc. of the 31st Int. Conf. on High Energy Physics (ICHEP2002), Amsterdam/NL (2002)

D. RYCKBOSCH

Exclusive Vector Meson Production at HERMES.
Proc. of the 7th Int. Workshop on Meson Production, Properties and Interaction (MESON2002), Cracow/ PL (2002)

G. SCHNELL

Probing Quark Distributions in Semi-Inclusive Single Spin Asymmetries.
SSA in SiDIS.
Proc. of the Workshop on Structure of Hadrons and Nuclei on the Light Cone, Los Alamos/USA (2002)

K.P. SCHÜLER

Polarization Measurements on e^\pm Beams.
Proc. of the 8th Int. Conf. on Instrumentation for Colliding Beam Physics (INSTR2002), Novosibirsk/RUS (2002) (Nucl. Instrum. Methods A494 (2002) 75)

R. SEIDL

Single Spin Azimuthal Asymmetries in Semi-Inclusive Electro-Production of Pions and Kaons.
Proc. of the 17th Winter Inst. on Fund. Int., Lake Louise/CAN (2002)

B. SEITZ

Deeply Virtual Compton Scattering and Hard Exclusive Pion Production Measured by HERMES.
Proc. of the 16th Int. Conf. on Particles and Nuclei (PANIC2002), Osaka/J (2002)

T.-A. SHIBATA

Azimuthal Asymmetry in Meson Productions in Electron-Nucleon Deep Inelastic Scattering by HERMES.
Proc. of the 16th Int. Conf. on Particles and Nuclei (PANIC2002), Osaka/J (2002)

J. STEWART

The HERMES Recoil Silicon Detector.
Proc. of the 11th Int. Workshop on Vertex Detectors (VERTEX 2002), Kailua-Kona/USA (2002)

Flavor Separation of Polarized Parton Distributions.

Proc. of the Int. Conf. on Quark Nuclear Physics (QNP2002), Jülich/D (2002)

G. VAN DER STEENHOVEN

Polarized Structure Functions.
Proc. of the 9th Int. Conf. on the Structure of Baryons (BARYONS 2002), Newport News/USA (2002)

HERMES (Overview): The Spin Structure of the Nucleon.

Proc. of the Int. Conf. on Quark Nuclear Physics (QNP2002), Jülich/D (2002)

J. VOLMER

Semi-Inclusive and Exclusive Spin Physics.
Proc. of the 16th Rencontre de Physique de La Vallée d'Aoste, La Thuile/I (2002)

Deeply Virtual Compton Scattering at HERA.

Proc. of the 31st Int. Conf. on High Energy Physics (ICHEP2002), Amsterdam/NL (2002)

J. WENDLAND

Measurements of the Nucleon Spin Structure.
Proc. of the Int. School for Sub-Nuclear Physics, Erice/I (2002)

Studies of the Nucleon Spin with HERMES.

Proc. of the 17th Winter Inst. on Fund. Int., Lake Louise/CAN (2002)

Vorträge

DPG Frühjahrstagung Hadronen und Kerne, Münster/D (2002)

M. DÜREN

HERMES Overview.

B. HOMMEZ

Extraction of Polarized Quark Distributions of the Nucleon at HERMES.

A. REISCHL

Beam Loss Monitor for HERMES.

C. SCHILL

Azimuthal Single-Spin Asymmetries in Semi-Inclusive Deep-Inelastic Scattering.

B. SEITZ

Single Spin Asymmetries in Exclusive Electroproduction at HERMES.

DPG Frühjahrstagung Teilchenphysik, Leipzig/D (2002)

F. ELLINGHAUS

Untersuchung der tief-virtuellen Comptonstreuung mit dem HERMES-Experiment.

P. LIEBING

Die p_T Verteilungen von Hadronen bei HERMES.

K. LIPKA

Diffractive ρ^0 Production at HERMES.

R. SEIDL

Azimuthale Einzel-Spin-Asymmetrien in semi-inklusive Elektroproduktion von Pionen und Kaonen.

C. WEISKOPF

Neue Resultate vom HERMES-Experiment zur polarisierten Strukturfunktion g_1 und zur Flavour-Separation der polarisierten Quark-Verteilungen.

- M. AMARIAN
Spontaneously Broken Chiral Symmetry and Hard QCD-Phenomena.
Physikzentrum Bad Honnef/D (2002)
- E.C. ASCHENAUER
Spin Physics in DIS.
DESY Theory Workshop on Quantum Chromodynamics, Hamburg/D (2002)
- Hermes Run II Physics Program.
Current and Future Directions at RHIC, BNL Upton/USA (2002)
- S. BELOSTOTSKI
Strangeness Production at HERMES.
16th Int. Baldin Seminar, Dubna/RUS (2002)
- N. BIANCHI
Lectures: Medium Effects with Electromagnetic Probes.
Int. School of Physics „Enrico Fermi“: From Nuclei and Their Constituents to Stars, Varenna/I (2002)
- Nuclear Medium Effects in High Energy Photoabsorption and Electroproduction.
Europ. Graduate Coll.: Complex Systems of Hadrons and Nuclei, Rauschholzhausen Castle/D (2002)
- Nuclear Medium Effect in Hadron Leptonproduction.
CFIF Fall Workshop on Nuclear Dynamics from Quarks to Nuclei, Lisbon/P (2002)
- A. BORYSENKO
Computer Modeling and Testing of the π^0 -Photon Counter for the HERMES Recoil Spectrometer.
8th Topical Seminar on Innovative Particle and Radiation Detectors, Siena/I (2002)
- M. BOUWHUIS
Recent HERMES Results.
Int. Conf. on High-Energy Interactions, Herlany/SLO (2002)
- P. DI NEZZA
The Spin of the Nucleon at HERMES.
1st Int. Workshop on Frontier Science, Frascati/I (2002)
- M. DÜREN
HERA III as a Facility for External Electron and Photon Beams.
1st HERA-III Workshop: The New Frontier in Precision Lepton-Nucleon Physics, München/D (2002)
- M. EHRENFRIED
The HERMES RICH Detector.
Europ. Graduate Coll.: Complex Systems of Hadrons and Nuclei, Rauschholzhausen Castle/D (2002)
- J. ELY
Beam Spin Asymmetry.
April Meeting of the APS and the High-Energy Astrophys. Div. (HEAD) of the Am. Astronom. Soc., Albuquerque/USA (2002)
- A. FANTONI
HERMES Overview.
Sympos. on the Gerasimov-Drell-Hearn Sum Rule and the Nucleon Spin Structure, Genova/I (2002)
- Duality in Spin Structure Functions.
Electron-Nucleus Scattering VII, Elba/I (2002)
- E. GARUTTI
HERMES Results on Nuclear Effects in DIS.
Workshop on Low x Physics, Antwerpen/B (2002)
- D. GASKELL
Beam Charge Asymmetry.
April Meeting of the APS and the High-Energy Astrophys. Div. (HEAD) of the Am. Astronom. Soc., Albuquerque/USA (2002)
- Hadron Attenuation and Results from HERMES.
2nd Int. Workshop on Neutrino-Nucleus Interactions in the Few-GeV Region (NUINT2002), Irvine/USA (2002)
- I. GREGOR
The HERMES Recoil Detector.
Sympos. on the Gerasimov-Drell-Hearn Sum Rule and the Nucleon Spin Structure, Genova/I (2002)
- H. JACKSON
Flavor Decomposition of Polarized Quark Distributions in the Nucleon.
April Meeting of the APS and the High-Energy Astrophys. Div. (HEAD) of the Am. Astronom. Soc., Albuquerque/USA (2002)
- E. KINNEY
Forward and Off-Forward Nucleon Structure Measurements at HERMES.
2002 SLAC Topical Conf., Stanford/USA (2002)
- P. LIEBING
Extraction of Polarized Parton Distributions from Semi-Inclusive HERMES Data.
Current and Future Directions at RHIC, BNL Upton/USA (2002)
- V. MUCCIFORA
Hadronization Process in DIS on Nuclei.
Coherent Effects at RHIC and LHC: Initial Conditions and Hard Probes, ETC Trento/I (2002)
- Hadron Formation in Nuclei.
16th Int. Conf. on Ultrarelativistic Nucleus-Nucleus Collisions, Nantes/F (2002)
- W.D. NOWAK
Future eN in Europe.
Int. Workshop on Hadron Structure and Hadron Spectroscopy, Trieste/I (2002)
- A.J. REISCHL
Beam Loss Monitor: A Protection System for the New Silicon Tracker in HERMES.
Fall Meeting of the Sections Nucl. and High-Energy Physics of the Dutch Phys. Soc., Lunteren/NL (2002)

K. RITH

HERMES: Present Status and Outlook.
Int. Workshop on Hadron Structure and Hadron Spectroscopy,
Trieste/I (2002)

Recent Results from HERMES.

Int. School of Nuclear Physics: 24th Course: Quarks in Hadrons
and Nuclei, Erice/I (2002)

Review of Polarized Lepton-Nucleon-Scattering.

1st HERA-III Workshop: The New Frontier in Precision Lepton-
Nucleon Physics, München/D (2002)

C. SCHILL

SSA (d,p).
33. Arbeitstreffen Kernphysik, Schleching/D (2002)

G. SCHNELL

Spin Physics and More with HERMES.
Electron-Nucleus Scattering VII, Elba/I (2002)

R. SEIDL

Longitudinal Single Spin Azimuthal Asymmetries from HERMES.
ESPO Topical Workshop on Single Spin Asymmetries, Vrije Univ.
Amsterdam/NL (2002)

B. SEITZ

HERMES and the Spin of the Nucleon.
Electron-Nucleus Scattering VII, Elba/I (2002)

E. STEFFENS

Polarized Gas Targets for Storage Rings.
1st HERA-III Workshop: The New Frontier in Precision Lepton-
Nucleon Physics, München/D (2002)

M. VETTERLI

HERMES and the Spin of the Nucleon.
ECT* Conf. on the Structure of the Nucleon, Trento/I (2002)

M. VINCTER

HERMES Overview.
Gordon Res. Conf. on Photonuclear Reactions, Tilton/USA (2002)

B. ZIHLMANN

Overview of Experiments Addressing Issues of Nuclear Effects
in DIS.
Gordon Res. Conf. on Photonuclear Reactions, Tilton/USA (2002)

Dissertationen

L. DE NARDO

Measurement of the Structure Function g_1^d at HERMES and Ex-
traction of Polarized Parton Distributions.
Univ. Alberta Edmonton/CAN (2002)

J. ELY

Measurement of the Single Spin Azimuthal Asymmetry in the
Predominantly Exclusive Electroproduction of Photons from the
Proton.
Univ. of Colorado Boulder/USA (2002)

M. HENOCH

Absolute Calibration of a Polarized Deuterium Gas Target.
Univ. Erlangen-Nürnberg/D (2002)
DESY-THESIS-2002-026

K. LIPKA

Double-Spin Asymmetries in Diffractive Vector-Meson Produc-
tion at HERMES.
Humboldt-Univ. Berlin/D (2002)
DESY-THESIS-2002-018

A. NASS

Niederdruck-Überschallexpansionen – Eine Studie zur Formation
von kalten Wasserstoff- und Deuteriumstrahlen.
Univ. Erlangen-Nürnberg/D (2002)
DESY-THESIS-2002-012

S. POTASHOV

The Luminosity Monitor Based on NaBi(WO₄)₂ Crystals for the
HERMES Experiment at DESY.
Lebedev Phys. Inst., Moscow/RUS (2002)

C.Y. SCARLETT

Photon-Gluon Fusion as a Way of Accessing the Gluons' Con-
tribution to Nucleon Spin.
Univ. Michigan Ann Arbor/USA (2002)

C. SCHILL

Azimuthale Asymmetrien von Pionen und Kaonen bei der tief-
inelastischen Elektron-Deuteron Streuung.
Univ. Freiburg/D (2002)

M.C. SIMANI

Flavour Decomposition of the Nucleon Spin at HERMES.
Univ. Amsterdam/NL (2002)

J. VISSER

Deep Inelastic Scattering off Hydrogen and Deuterium.
Univ. Groningen/NL (2002)

C. WEISKOPF

Measurement of the Spin-Dependent Structure Function g_1^d of the
Deuteron at HERMES.
Univ. Erlangen-Nürnberg/D (2002)
DESY-THESIS-2002-039

Diplomarbeiten

H. TANAKA

Laser-Based Gain Monitoring System for HERMES Experiment.
Inst. of Techn., Tokyo/J (2002)

P. VAN DER NAT

Hadronization at 12 GeV.
Univ. Amsterdam/NL (2002)

HERA-B

Veröffentlichungen

HERA-B KOLLABORATION, I. ABT et al.

Measurement of the $b\bar{b}$ Production Cross Section in 920 GeV Fixed-Target Proton-Nucleus Collisions.

Eur. Phys. J. C26 (2003) 345 und DESY 02-076, hep-ex/0205106

Inclusive V^0 Production Cross Sections from 920 GeV Fixed-Target Proton-Nucleus Collisions.

DESY 02-213, hep-ex/0212040, zur Veröffentl. in Eur. Phys. J. C

J/ψ Production via χ_c Decays in 920 GeV pA Interactions.

DESY 02-187, hep-ex/0211033, zur Veröffentl. in Phys. Lett. B

I. ABT et al.

CATS: A Cellular Automaton for Tracking in Silicon for the HERA-B Vertex Detector.

Nucl. Instrum. Methods A489 (2002) 389

Cellular Automaton and Kalman Filter Based Track Search in the HERA-B Pattern Tracker.

Nucl. Instrum. Methods A490 (2002) 546

Y. BAGATURIA et al.

Studies of Aging and HV Break Down Problems during Development and Operation of MSGC and GEM Detectors for the Inner Tracking System of HERA-B.

Nucl. Instrum. Methods A490 (2002) 223 und hep-ex/0204011

F. EISELE et al.

Upgrade Activity of the HERA-B Inner Tracker System in 2001. (In Russian)

Lebedev Preprint No. 15 (2002)

S. KORPAR, I. BIZJAK, A. GORIŠEK, P. KRIŽAN, R. PESTOTNIK, M. STARIČ, A. STANOVNIK

Surface Sensitivity of Multianode Photomultiplier Tubes.

Nucl. Instrum. Methods A478 (2002) 391

Veröffentlichte Vorträge

I. ABT

The HERA-B Vertex Detector System: Design and Performance.

Proc. of the 11th Int. Workshop on Vertex Detectors (VERTEX 2002), Kailua-Kona/Hawaii/USA (2002),

(Nucl. Instrum. Methods A)

C. BAUER et al.

Radiation Hardness of the HERA-B Double-Sided Silicon Strip Detectors.

Proc. of the 5th Int. Conf. on Large Scale Appl. and Rad. Hardness of Semicond. Detectors, Florence/I (2001)

(Nucl. Instrum. Methods A485 (2002) 116)

Performance of the HERA-B Vertex Detector System.

Proc. of the 10th Int. Workshop on Vertex Detectors, Brunnen/CH (2001) (Nucl. Instrum. Methods A501 (2003) 39)

M. DANILOV, I. TIKHOMIROV, M. TITOV, YU. ZAITSEV
Laboratory Aging Studies for the HERA-B Muon Chambers.
Proc. of the 8th Int. Conf. on Instrum. for Colliding Beam Physics, Novosibirsk/RUS (2002)

(Nucl. Instrum. Methods A494 (2002) 236)

V. EGORYTCHEV, J. HERNANDEZ, V. RYBNIKOV, F. SANCHEZ, S. ESSENOV, A. ZHELEZOV

Architecture of the HERA-B Data Acquisition System.

Proc. of the IEEE Nucl. Sci. Symposium, Norfolk/USA (2002)

B. GIACOBBE

First Measurement of the $b\bar{b}$ Production Cross Section with HERA-B.

Proc. of the Winter Inst. on Fund. Int., Lake Louise/CAN (2002)

W. GRADL et al.

First Results of the HERA-B Experiment.

Proc. of the Conf. on Quarks and Nuclear Physics (QNP2002) Jülich/D (2002) (Eur. Phys. J. A)

U. HUSEMANN et al.

A RICH-Multiplicity Veto for the HERA-B Experiment.

Proc. of the IEEE Nucl. Sci. Symposium, Norfolk/USA (2002)

P. KREUZER

Measurement of the $b\bar{b}$ Production Cross Section in Proton-Nucleus Collisions at HERA-B.

Proc. of the 31st Int. Conf. on High Energy Physics (ICHEP02), Amsterdam/NL (2002)

A. LANYOV

Measurement of the $b\bar{b}$ Production Cross Section in 920 GeV Fixed-Target Proton-Nucleus Collisions at the HERA-B Detector.

Proc. of the Int. School on Heavy Quark Physics, Dubna/RUS (2002)

M. MEVIUS

First Results from HERA-B on Charmonium and b Quark Production in pN Collisions at $\sqrt{s} = 42.6$ GeV.

Proc. of the 5th Int. Conf. on Hyperons, Charm and Beauty Hadrons, Vancouver/CAN (2002)

R. MIZUK

Charmonium Production in 920 GeV Proton-Nucleus Interactions.

Proc. of the Int. School on Heavy Quark Physics, Dubna/RUS (2002)

V. RYBNIKOV

Process Management and Run Control System in the HERA-B Experiment.

Proc. of the IEEE Nucl. Sci. Symposium, Norfolk/USA (2002)

A. SOMOV et al.

The First Level Trigger of the HERA-B Experiment: Performance and Expectations.

Proc. of the 8th Int. Conf. on Instrum. for Colliding Beam Physics, Novosibirsk/RUS (2002)

(Nucl. Instrum. Methods A494 (2002) 526)

M. VILLA et al.

Measurement of the $b\bar{b}$ Production Cross Section in 920 GeV Proton-Nucleus Collisions.

Proc. of the 8th Int. Conf. on B Physics at Hadron Machines (BEAUTY2002), Santiago de Compostela/E (2002)

A. ZOCCOLI et al.
First Results from the HERA-B Experiment.
Proc. of the 16th Int. Conf. on Ultrarel. Nucleus-Nucleus Coll.:
Quark Matter 2002 (QM2002), Nantes/F (2002)

Vorträge

DPG Frühjahrstagung Teilchenphysik, Leipzig/D (2002)

M. BÖCKER
Die Online-Software des HERA-B Myon-Pretrigger-Systems.

M. BRÜGGEMANN
Erste Erfahrungen mit einem neuen HERA-B Multiplizitätsveto.

C. CRUSE
Ein neues Multiplizitätsveto für das HERA-B Experiment.

U. HUSEMANN
Charmonium-Physik bei HERA-B – Ein erster Blick auf die neuen Daten.

B. SCHMIDT
Entwicklung und Test von Detektoren für extreme Teilchenraten:
Was haben wir bei HERA-B gelernt?

I. ABT
Comparitive Irradiation Test of an Oxygenated and a Non-Oxy-
genated Silicon Microstrip Detector.
Univ. Karlsruhe/D (2002)

T. BAUER
Production of J/ψ , χ_c and B-Mesons at HERA-B.
ECT* Int. Workshop on Charm Production: From Threshold via
SPS to RHIC and LHC, Trento/I (2002)

T. BURAN
Report on the Scientific Activity of HERA-B for the Period Sept.
2001 – Aug. 2002.
Norwegian Res. Council Meeting, Univ. of Bergen/N (2002)

S. KORPAR
HERA-B RICH.
4th Workshop on RICH Detectors, Pylos/GR (2002)

P. KRIŽAN
RICH Detectors with Vacuum Based Photo-Detectors: Overview.
4th Workshop on RICH Detectors, Pylos/GR (2002)

M. MEDINNIS
HERA-B Status and Physics Programme.
ECT* Int. Workshop on Charm Production: From Threshold via
SPS to RHIC and LHC, Trento/I (2002)

M.T. NUNEZ PARDO DE VERA
HERA-B Trigger.
8th Int. Conf. on B Physics at Hadron Machines (BEAUTY2002),
Santiago de Compostela/E (2002)

Y. PYLYPCHENKO
Recent Results from HERA-B.
Norwegian Res. Council Meeting, Univ. of Bergen/N (2002)

B. SCHWINGENHEUER
Electronic Commissioning Experience at HERA-B.
Kolloquium, MPI München/D (2002)

M. STARIČ
Particle Identification with HERA-B RICH.
4th Workshop on RICH Detectors, Pylos/GR (2002)

Habilitation

J. GLÄSS
Entwurf und Realisierung des First Level Triggers für das HERA-
B Experiment.
Univ. Mannheim/D (2002)

Dissertationen

M. ADAMS
Entwicklung eines Simulationsprogrammes für das Myon-Pretrig-
ger-System des HERA-B Experimentes und Untersuchungen zum
Systemverhalten.
Univ. Dortmund/D (2002)

J. BASTOS
Measurement of the Luminosity and of the Branching Ratio for
the Muonic Decay of the $\omega(782)$ Meson in Fixed-Target Proton-
Nucleus Collisions.
Univ. of Coimbra/P (2002)

M. BRUINSMA
 J/ψ in pA – Performance of the First Level Trigger of HERA-B
and Nuclear Effects in J/ψ Production.
NIKHEF/Univ. Utrecht/NL (2002)

P. CONDE
Measurement of the D^+ to D^0 Production Cross Section Ratio,
Using an Impact Parameter Method.
Univ. of Santiago de Compostela/E (2002)

C. CRUSE
Das RICH-Multiplizitätsveto-System für das HERA-B Experiment.
Univ. Dortmund/D (2002)

H. FLECKENSTEIN
Performance of the TFU Network of the First Level Trigger of
HERA-B and Determination of Efficiencies for $J/\psi \rightarrow \mu^+\mu^-$.
DESY-Hamburg/D (2002)
DESY-THESIS-2002-011

A. GORIŠEK
Cross Section Measurement of D^0 and D^{*+} Meson Production in
Inelastic Collisions of 920 GeV Protons with Nuclei.
Univerza v Ljubljani/SLO (2002)

W. HULSBERGEN

A Study of Track Reconstruction and Massive Dielectron Production in HERA-B.
NIKHEF/Univ. of Amsterdam/NL (2002)

O. IGONKINA

A Study of J/ψ and χ_c Production in pA Collisions at 920 GeV.
ITEP Moscow/RUS (2002)

C. KRAUSS

Investigations on the Operational Behavior of the GEM MSGC Inner Tracker System and Study on the Reconstruction of χ_c Events in the HERA-B Detector.
Univ. Heidelberg/D (2002)

R. LOKE

Messung des inklusiven J/ψ -Wirkungsquerschnittes im harten Proton-Nukleon Stoß bei einer Wechselwirkungsenergie von $\sqrt{s} = 39$ GeV.
Humboldt Univ. Berlin/D (2002)

B.A. PETERSEN

Beauty Production at HERA-B.
Performance of the Second Level Trigger and the $b\bar{b}$ Cross Section in 920 GeV pN Collisions.
Niels Bohr Inst., Univ. Copenhagen/DK (2002)

M.-A. PLEIER

Measurement of Inclusive Lambda/Antilambda Hyperon Polarisation in Proton Nucleus Collisions at 920 GeV Proton Beam Energy.
Univ. Heidelberg/D (2002)

Diplomarbeiten

M.-O. BOENIG

Bau und Inbetriebnahme von Szintillationszählern zur Luminositätsbestimmung am HERA-B Experiment.
Univ. Dortmund/D (2002)

M. BRÜGGEMANN

Untersuchungen zum RICH-Vetosystem des HERA-B Experiments.
Univ. Dortmund/D (2002)

A. CHRISTENSEN

Charmonium Production at HERA-B.
Univ. of Oslo/N (2002)

FLC

Veröffentlichungen

OPAL COLLABORATION, G. ABBIENDI et al.

Search for Nearly Mass-Degenerate Charginos and Neutralinos at LEP.

CERN-EP-2002-063, hep-ex/0210043,
zur Veröffentlichung in Eur. Phys. J

Measurement of Neutral-Current Four-Fermion Production at LEP2.

Phys. Lett. B544 (2002) 259 und hep-ex/0210026

Inclusive Analysis of the b Quark Fragmentation Function in Z Decays at LEP.

CERN-EP-2002-051, hep-ex/0210031,
zur Veröffentlichung in Eur. Phys. J.

Multi-Photon Production in e^+e^- Collisions at $\sqrt{s} = 181$ –209 GeV.

Eur. Phys. J. C26 (2003) 331 und hep-ex/0210016

Search for the Standard Model Higgs Boson with the OPAL Detector at LEP.

Eur. Phys. J. C26 (2003) 479 und hep-ex/0209078

Measurement of the b Quark Forward-Backward Asymmetry around the Z0 Peak Using an Inclusive Tag.

Phys. Lett. B546 (2002) 29 und hep-ex/0209076

Search for a Low Mass CP-Odd Higgs Boson in e^+e^- Collisions with the OPAL Detector at LEP2.

Eur. Phys. J. C27 (2003) 483 und hep-ex/0209068

Measurement of the Cross-Section for the Process $\gamma\gamma \rightarrow p\bar{p}$ at $\sqrt{s} = 183$ –189 GeV at LEP.

CERN-EP-2002-056, hep-ex/0209052,
zur Veröffentlichung in Eur. Phys. J. C

Charged Particle Momentum Spectra in e^+e^- Annihilation at $\sqrt{s} = 192$ –209 GeV.

Eur. Phys. J. C27 467 (2003) und hep-ex/0209048

Search for Scalar Top and Scalar Bottom Quarks at LEP.

Phys. Lett. B545 (2002) 272

Phys. Lett. B548 (2002) 258 (Erratum) und hep-ex/0209026

Search for Associated Production of Massive States Decaying into two Photons in e^+e^- Annihilations at $\sqrt{s} = 88$ –209 GeV.

Phys. Lett. B544 (2002) 44 und hep-ex/0207027

Search for Charged Excited Leptons in e^+e^- Collisions at $\sqrt{s} = 183$ –209 GeV.

Phys. Lett. B 544 (2002) 57 und hep-ex/0206061

Decay-Mode Independent Searches for New Scalar Bosons with the OPAL Detector at LEP.

Eur. Phys. J. C27 (2003) 311 und hep-ex/0206022

Measurement of the Charm Structure Function $F_{2,c}^{\gamma}$ of the Photon at LEP.

Phys. Lett. B539 (2002) 13 und hep-ex/0206021

Measurement of the Mass of the W Boson in e^+e^- Collisions Using the Fully Leptonic Channel.

Eur. Phys. J. C26 (2003) 321 und hep-ex/0203026

Measurement of the Hadronic Photon Structure Function $F_{2,c}^{\gamma}$ at LEP2.

Phys. Lett. B533 (2002) 207 und hep-ex/0202035

N. GHODBANE et al.

The Snowmass Points and Slopes: Benchmarks for SUSY Searches.
Eur. Phys. J. C25 (2002) 113 und hep-ph/0202233

Veröffentlichte Vorträge

T. BEHNKE

Linear Electron Positron Colliders Instrumentation 2002.
Proc. of the 8th Int. Conf. on Instrum. for Colliding Beam Physics,
Novosibirsk/RUS (2002)

J. BÖHME

Polarisation Measurement at HERA II.
Proc. of the 10th Int. Workshop on Deep Inelastic Scattering
(DIS2002), Cracow/PL (2002) (Acta Phys. Pol. B33 (2002) 3949)

K. BÜSSER

Improved TESLA Optics and Backgrounds Update.
Proc. of the Int. Workshop on Linear Colliders (LCWS2002), Jeju
Island/ROK (2002)

J. CONWAY, K. DESCH, J. F. GUNION, S. MRENNNA, D. ZEP-
PENFELD

The Precision of Higgs Boson Measurements and their Implica-
tions.
Proc. of the APS/DPF/DPB Summer Study on the Future of Particle
Physics, SnowmassUSA (2001) und hep-ph/0203206

N. GHODBANE et al.

Radiation Hardness of CVD Diamonds.
Proc. of the 8th Topical Seminar on Innovative Particle and Ra-
diation Detectors, Siena/I (2002) (Nucl. Phys. B Proc. Supl.) und
hep-ex/0212018

The TESLA Time Projection Chamber.

Proc. of the 8th Topical Seminar on Innovative Particle and Ra-
diation Detectors, Siena/I (2002) (Nucl. Phys. B Proc. Supl.) und
hep-ex/0212031

M. HAMANN

R&D on the GEM Readout of the TESLA TPC.
Proc. of the Int. Workshop on Linear Colliders (LCWS2002), Jeju
Island/ROK (2002) und hep-ex/0301006

K. HARDER

b Fragmentation and Energy Correlation in $Z \rightarrow b\bar{b}$ Decays (LEP-
1 and SLD Results).
Proc. of the 31st Int. Conf. on High Energy Physics (ICHEP2002),
Amsterdam/NL (2002) (Nucl. Phys. B, Proc. Suppl.)

V. KORBEL

The HCAL Calorimeter for the TESLA Detector at DESY.
Proc. of the 10th Int. Conf. on Calorimetry and High Energy
Physics, Pasadena/USA (2002)

Progress Report on TESLA Tile-HCAL.

Proc. of the Int. Workshop on Linear Colliders (LCWS2002), Jeju
Island/ROK (2002)

Vorträge**DPG Frühjahrstagung Teilchenphysik, Leipzig/D (2002)**

P. BECHTLE

Suche nach Higgs-Bosonen in Supersymmetrie mit CP-Verletzung
bei OPAL.

T. BEHNKE, M. DOUCET, N. GHODBANE, M. HAMANN, T.
KUHLE, T. LUX

Studien zur Entwicklung einer Zeit-Projektions-Kammer mit GEM
Auslese für den zukünftigen Linearbeschleuniger TESLA.

T. BEHNKE, K. BÜSSER, R. HEUER, R. SELLE

Simulation des TESLA Detektors.

G. GAYCKEN

Suche nach Higgs Bosonen mit dem OPAL Detektor.

M. HAMANN, M. HAUSCHILD, C. REMBSER

Suche nach schweren langlebigen geladenen Teilchen mittels Mes-
sung des spezifischen Energieverlustes mit dem OPAL-Detektor
am LEP-Speicherring.

K. HARDER

Untersuchungen zur b-Fragmentation bei OPAL.

J. HAUSCHILDT

Elastische Streuprozesse zwischen Eichbosonen.

C. HENSEL

Suche nach Charginos und Neutralinos mit dem TESLA Detektor.

A. IMHOF

Messungen zum Signalverhalten von CVD-Diamant.

T. KRÄMER

Messung der Vorwärts-Rückwärts-Asymmetrien mit semilepton-
ischen Zerfällen schwerer Quarks bei OPAL.

T. LUX

Bau einer Prototyp-TPC für Messungen in einem 4 Tesla Magnet-
feld.

W. MENGES

Messung der Drei-Eichboson-Kopplungen im vier Jet-Kanal bei
OPAL.

N. MEYER, K. DESCH, R.-D. HEUER

Resonanzparameter eines schweren SM Higgs Bosons bei TESLA.

R. SELLE

Simulation des TESLA Detektors.

**ECFA/DESY Study on Physics and Detectors for a 90 GeV und
800 GeV Linear Collider****Workshop St. Malo/F (2002)**

T. BEHNKE

BRAHMS: A GEANT3 Based Full Simulation for TESLA.

K. BÜSSER, G. WAGNER

Update on Neutron Background.

K. DESCH

Profile of 240 GeV Higgs Boson.
Summary of Higgs Session.
MSSM Tests via Higgs Sector Observables Measured at LHC
and LC.

N. GHODBANE
The Snowmass Points and Slopes: Comparison of Spectrums and Branching Ratios.

V. KORBEL
Status of the Tile-HCAL for the Detector at TESLA.

T. KUHL
ZVTOP-B-Hadron-Tagger for SIMDET.

T. LUX
TPC R&D at DESY Hamburg.

V.L. MORGUNOV
New Vision of Energy-Flow, Imaging Detector.

Workshop Prague/CZ (2002)

K. BÜSSER
New Mask Design and Background Studies for $L^* = 5$ m.

K. DESCH
Neutralino Production Involving Tau Decays.

R.-D. HEUER
Status of the TESLA Proposal.

T. KLIMKOVICH
Experimental Study of Higgs Bosons in CP-Violating MSSM Scenario at TESLA.

V. KORBEL
New Results and Further Plans for the TESLA Tile-HCAL.

T. LUX
TPC R&D at DESY Hamburg.

V.L. MORGUNOV, S.V. CHEKANOV
A Method of Top Quark Reconstruction at Future Linear Collider.

P. BECHTLE
Interpretation of the Search for Neutral Higgs Bosons at OPAL in a CP Violation MSSM Scenario.
Int. School of Subnuclear Physics, Erice/I (2002)

T. BEHNKE
The Simulation Effort in the ECFA/DESY Study.
Am. Linear Collider Physics Meeting, Chicago/USA (2002) Teilchenphysik bei TESLA: Ein Weg zur Weltformel?
„Tag der Physik“ im Rahmen der Ausstellung: TESLA – Licht der Zukunft, Berlin/D (2002)

Status of Simulation in the ECFA/DESY Study.
The TESLA Tracking Concept.
Am. Linear Collider Physics Meeting, St. Cruz/USA (2002)
Workshop on Energy Flow and Simulation for Linear Collider Studies, Northwest. Univ. Evanston/USA (2002)

Linear Colliders: A Straight New Tool to Investigate Questions in Fundamental Physics.
Kolloquium, Utah Univ. Salt Lake City/USA (2002)

Simulation and Reconstruction for a LC Detector: The European Framework.
SLAC Linear Collider Seminar, Stanford/USA (2002)

K. BÜSSER
Herausforderung TESLA.
Fachforum Physik, Hanns-Seidel-Stiftung, Wildbad Kreuth/D (2002)

Improved TESLA Optics.
Mask Functions.
Workshop on Forward Calorimetry and Luminosity Measurement in the TESLA Detector, DESY Zeuthen/D (2002)

K. DESCH
Der Elektron-Positron Linear-Collider TESLA.
Symposium: Teilchenphysik in Deutschland, Bonn/D (2002)

Relationship between Hadron- and Lepton-Collider Physics Programs. (Plenary Talk)
Physics Benefits of Positron and Transverse Polarisation.
Mini-Review on Higgs Studies in the ECFA/DESY Study.
Int. Workshop on Linear Colliders (LCWS2002), Jeju Island/ROK (2002)

Physics at TESLA.
10th Int. Workshop on Deep Inelastic Scattering (DIS2002), Cracow/PL (2002)

Physics at a Linear Collider. (Plenary Talk)
Winter Conf. of Particle Physics, Aspen/USA (2002)

Higgs Physics at Future Colliders.
Univ. Zürich/CH (2002)

N. GHODBANE
The Snowmass Points and Slopes. (Invited Talk)
Susygen Update. (Invited Talk)
GDR Supersymmetry, Montpellier/F (2002)

Des diamants pour TESLA.
IPNL Lyon/F (2002)
IReS Strasbourg F (2002)
LPNHE, Paris VI-VII Univ., Paris/F (2002)

K. HARDER
Investigation of b Hadronisation at OPAL and beyond.
Univ. Hamburg/D (2002)

Inclusive Investigation of the b Quark Fragmentation Function in Z Decays at LEP.
Geneva/CH (2002)

Studies of QCD-Related Aspects of Event Evolution.
Manhattan/USA (2002)

C. HENSEL
Nearly Mass Degenerate Charginos and Neutralinos at a Linear Collider.
10th Int. Conf. on Supersymmetry in Physics (SUSY 02), Hamburg/D (2002)
Int. Workshop on Linear Colliders (LCWS2002), Jeju Island/ROK (2002)

R.-D. HEUER

Report from International Detector R&D Panel.
Workshop on the Physics and Detectors of Future Linear e^+e^-
Colliders (LC 2002), Chicago/USA (2002)

The Electron Positron Linear Collider TESLA – Physics Perspectives.

LLNL, Livermore/USA (2002)

TESLA – Mit einem Teilchenbeschleuniger auf der Suche nach dem Bauplan des Universums.

Lessing Gymnasium Norderstedt/D (2002)

DESY – eine Großforschungseinrichtung von Weltrang in Hamburg.

TÜV Nord, Hamburg/D (2002)

Der Linearbeschleuniger TESLA – Vom Ursprung der Masse zur Weltformel?

Kolloquium, Stuttgart/D (2002)

Grid Computing Centre Karlsruhe.

KET Jahrestreffen, Bad Homburg/D (2002)

T. KLIMKOVICH

Experimental Study of Higgs Bosons in CP-Violating MSSM Scenario at TESLA.

INTAS Workshop, Lake Baikal/RUS (2002)

V. KORBEL

The Tile-HCAL Calorimeter for the TESLA Detector.

DESY PRC, Hamburg/D (2002)

T. KRÄMER

Measurement of Heavy Quark Forward-Backward Asymmetries Using Leptons in Multihadronic Events (Status Report).

OPAL-Plenarwoche, Geneva/CH (2002)

T. KUHL

TESLA TPC.

8th Int. Conf. on Instrum. for Colliding Beam Physics, Novosibirsk/RUS (2002)

The TESLA Vertex Detector as a Physics Tool.

11th Int. Workshop on Vertex Detectors (VERTEX 2002), Kailua-Kona, Hawaii/USA (2002)

T. LUX

Eine TPC als zentrale Spurkammer des TESLA-Detektors.

Graduiertenkolleg, Zeuthen/D (2002)

W. MENGES

Measurement of Charged Triple Gauge Couplings in the 4 Jet Channel at OPAL.

Adv. Study Inst. on Techniques and Concepts of High Energy Physics, St.Croix/USA (2002)

N. MEYER

Properties of a 240 GeV SM Higgs.

Workshop on the Physics and Detectors of Future Linear e^+e^-
Colliders (LC 2002), Chicago/USA (2002)

V.L. MORGUNOV

Calorimetry Design with Energy-Flow Concept.

10th Int. Conf. on Calorimetry in High Energy Physics, Pasadena/USA (2002)

Dissertationen

K. HARDER

Studies of QCD-Related Aspects of Event Evolution at e^+e^- Colliders.

Univ. Hamburg/D

DESY-THESIS-2002-030

C. HENSEL

Search for Nearly Mass Degenerate Charginos and Neutralinos in e^+e^- Collisions.

Univ. Hamburg/D

DESY-THESIS-2002-047

Diplomarbeit

A. IMHOF

Untersuchungen zum Signalverhalten von CVD-Diamant.

Univ. Würzburg/D (2002)

Linear-Collider Notes

N. GHODBANE et al.

Radiation Hardness and Linearity Studies for a Diamond Luminosity Calorimeter.

LC-DET-2002-001

N. GHODBANE, H.U. MARTYN

Compilation of SUSY Particle Spectra from Snowmass 2001 Benchmark Models.

LC-TH-2001-79, hep-ph/0201233

Theorie

Veröffentlichungen

S. ALBINO, M. KLASSEN, S. SÖLDNER-REMBOLD

Strong Coupling Constant from the Photon Structure Function.

Phys. Rev. Lett. 89 (2002) 122004 und

DESY 02-052, hep-ph/0205069

A. ALI, E. LUNGHI

Implications of $B \rightarrow \rho\gamma$ Measurements in the Standard Model and Supersymmetric Theories.

Eur. Phys. J. C26 (2002) 195 und DESY 02-089, hep-ph/0206242

- A. ALI, A.S. SAFIR
Helicity Analysis of the Decays $B \rightarrow K^* \ell^+ \ell^-$ and $B \rightarrow \rho \ell \nu_\ell$ in the Large Energy Effective Theory.
Eur. Phys. J. C25 (2002) 583 und DESY 02-005, hep-ph/0205254
- B.C. ALLANACH, G.A. BLAIR, G. MOORTGAT-PICK, P.M. ZERWAS et al.
The Snowmass Points and Slopes: Benchmarks for SUSY Searches.
Eur. Phys. J. C25 (2002) 113 und DESY 02-022, hep-ph/0202233
- C.R. ALLTON et al.
The QCD Thermal Phase Transition in the Presence of a Small Chemical Potential.
Phys. Rev. D66 (2002) 074507 und hep-lat/0204010
- B. ANDERSON et al.
Small-x Phenomenology: Summary and Status.
Eur. Phys. J. C25 (2002) 77 und DESY 02-041, hep-ph/0204115
- S. ANTUSCH, J. KERSTEN, M. LINDNER, M. RATZ
Dynamical Electroweak Symmetry Breaking by a Neutrino Condensate.
DESY 02-208, hep-ph/0211385
- T. ASAKA, W. BUCHMÜLLER, L. COVI
Exceptional Coset Spaces and Unification in Six-Dimensions.
Phys. Lett. B540 (2002) 295 und DESY 02-046, hep-ph/0204358
- Bulk and Brane Anomalies in Six-Dimensions.
Nucl. Phys. B648 (2003) 231 und DESY 02-115, hep-ph/0209144
- T. ASAKA, H.B. NIELSEN, Y. TAKANISHI
Non-Thermal Leptogenesis from the Heavier Majorana Neutrinos.
Nucl. Phys. B647 (2002) 252 und DESY 02-084, NBI-HE-02-08, hep-ph/0207023
- D. BAHNS, S. DOPLICHER, K. FREDENHAGEN, G. PIACITELLI
On the Unitarity Problem in Space/Time Noncommutative Theories.
Phys. Lett. B533 (2002) 178 und DESY 02-028, hep-th/0201222
- V. BARGER, T. HAN, P. LANGACKER, B. MCEL RATH, P.M. ZERWAS
Effects of Genuine Dimension-Six Higgs Operators.
DESY 02-222, hep-ph/0301097
- J. BARTELS, D. COLFERAI, S. GIESEKE, A. KYRIELEIS
NLO Corrections to the Photon Impact Factor: Combining Real and Virtual Corrections.
Phys. Rev. D66 (2002) 094017 und
DESY 02-114, Cavendish-HEP-02-04, hep-ph/0208130
- J. BARTELS, D. COLFERAI, G.P. VACCA
The NLO Jet Vertex for Mueller-Navelet and Forward Jets: The Gluon Part.
DESY 02-090, hep-ph/0206290
- J. BARTELS, K. GOLEC-BIERNAT, H. KOWALSKI
A Modification of the Saturation Model: DGLAP Evolution.
Phys. Rev. D66 (2002) 014001 und
DESY 02-037, hep-ph/0203258
- J. BARTELS, E. GOTSMAN, E. LEVIN, M. LUBLINSKY, U. MAOR
The Dipole Picture and Saturation in Soft Processes.
Phys. Lett. B556 (2003) 114 und
DESY 02-219, TAUP-2729-2002, hep-ph/0212284
- J. BARTELS, H. JUNG, A. KYRIELEIS
Massive $c\bar{c}g$: Calculation in Diffractive DIS and Diffractive D^* Production at HERA.
Eur. Phys. J. C24 (2002) 555 und
DESY 01-116, LUNFD6-NFFL-7204-2001, hep-ph/0204269
- J. BARTELS, M.G. RYSKIN, G.P. VACCA
On the Triple Pomeron Vertex in Perturbative QCD.
Eur. Phys. J. C27 (2003) 101 und DESY 02-120, hep-ph/0207173
- U. BAUR, T. PLEHN, D. RAINWATER
Determining the Higgs Boson Self Coupling at Hadron Colliders.
Phys. Rev. D67 (2003) 033003 und hep-ph/0211224
- W. BEENAKKER, S. DITTMAYER, M. KRÄMER, B. PLÜMPER, M. SPIRA, P.M. ZERWAS
NLO QCD Corrections to $t\bar{t}H$ Production in Hadron Collisions.
Nucl. Phys. B653 (2003) 151 und DESY 02-177, hep-ph/0211352
- T. BEHNKE, J.D. WELLS, P.M. ZERWAS
Physics with e^+e^- Linear Colliders.
Prog. Part. Nucl. Phys. 48 (2002) 363
- S. BERGE, M. KLASSEN
Gluino Pair Production at Linear e^+e^- Colliders.
Phys. Rev. D66 (2002) 115014 und
DESY 02-119, hep-ph/0208212
- G.A. BLAIR, W. POROD, P.M. ZERWAS
The Reconstruction of Supersymmetric Theories at High-Energy Scales.
Eur. Phys. J. C27 (2003) 263 und DESY 02-166, hep-ph/0210058
- E. BOOS, A. DJOUADI, M. MÜHLLEITNER, A. VOLOGDIN
The MSSM Higgs Bosons in the Intense Coupling Regime.
Phys. Rev. D66 (2002) 055004 und hep-ph/0205160
- E. BOOS, Y. KUBYSHIN, M. SMOLYAKOV, I. VOLOBUEV
Effective Lagrangians for Physical Degrees of Freedom in the Randall-Sundrum Model.
Class. Quantum. Grav. 19 (2002) 4591 und hep-th/0202009
- E. BOOS, A. SHERSTNEV
Spin Effects in Processes of Single Top Quark Production at Hadron Colliders.
Phys. Lett. B534 (2002) 97 und hep-ph/0201271
- A. BRANDENBURG, M. MANIATIS
Impact of SUSY-QCD Corrections on Top Quark Decay Distributions.
Phys. Lett. B545 (2002) 139 und DESY 02-095, hep-ph/0207154
- A. BRANDENBURG, Z.G. SI, P. UWER
QCD-Corrected Spin Analysing Power of Jets in Decays of Polarized Top Quarks.
Phys. Lett. B539 (2002) 235 und DESY 02-055, hep-ph/0205023

- C. BRENNER MARIOTTO, M.B. GAY DUCATI, G. INGELMAN
Soft and Hard QCD Dynamics in Hadroproduction of Charmonium.
Eur. Phys. J. C23 (2002) 527
- R. BRUNETTI, K. FREDENHAGEN
Remarks on Time-Energy Uncertainty Relations.
Rev. Math. Phys. 14 (2002) 897 und quant-ph/0207048
- R. BRUNETTI, K. FREDENHAGEN, R. VERCH
The Generally Covariant Locality Principle – A New Paradigm
for Local Quantum Physics.
DESY 02-063, math-ph/0112041,
zur Veröffentl. in Commun. Math. Phys.
- W. BUCHMÜLLER, P. DI BARI, M. PLÜMACHER
Cosmic Microwave Background, Matter-Antimatter Asymmetry
and Neutrino Masses.
Nucl. Phys. B643 (2002) 367 und DESY 02-058, hep-ph/0205349
- A Bound on Neutrino Masses from Baryogenesis.
Phys. Lett. B547 (2002) 128 und DESY 02-107, hep-ph/0209301
- S.Y. CHOI, J. KALINOWSKI, G. MOORTGAT-PICK, P.M. ZER-
WAS
Analysis of the Neutralino System in Supersymmetric Theories:
Addendum.
Eur. Phys. J. C23 (2002) 769 und DESY 02-020, hep-ph/0202039
- S.Y. CHOI, D.J. MILLER, M.M. MÜHLEITNER, P.M. ZERWAS
Identifying the Higgs Spin and Parity in Decays to Z Pairs.
Phys. Lett. B553 (2003) 61 und DESY 02-150
- L. COVI, D.H. LYTH, A. MELCHIORRI
New Constraints on the Running Mass Inflation Model.
Phys. Rev. D67 (2003) 043507 und
DESY 02-136, hep-ph/0210395
- L. COVI, L. ROSZKOWSKI, M. SMALL
Effects of Squark Processes on the Axino CDM Abundance.
JHEP 0207 (2002) 023 und DESY 02-080, hep-ph/0206119
- J. DAMET, G. INGELMAN, C.B. MARIOTTO
Prompt J/ψ Production at the LHC.
JHEP 0209 (2002) 014
- M. DÜTSCH, K. FREDENHAGEN
The Master Ward Identity and Generalized Schwinger-Dyson Equa-
tion in Classical Field Theory.
DESY 02-211, hep-th/0211242
- R. ENBERG, G. INGELMAN, A. KISSAVOS, N. TIMNEANU
Diffractive Higgs Boson Production at the Tevatron and LHC.
Phys. Rev. Lett. 89 (2002) 081801
- R. ENBERG, G. INGELMAN, N. TIMNEANU
Diffractive Higgs and Prompt Photons at Hadron Colliders.
Phys. Rev. D67 (2003) 011301 und hep-ph/0210408
- F. FARCHIONI, C. GEBERT, I. MONTVAY, L. SCORZATO
Numerical Simulation Tests with Light Dynamical Quarks.
Eur. Phys. J. C26 (2002) 237 und DESY 02-083, hep-lat/0206008
- R. FLEISCHER
CP Violation in the B System and Relations to $K \rightarrow \pi \nu \bar{\nu}$ Decays.
(Habilitationsschrift)
Phys. Rep. 370 (2002) 537 und
DESY-THESIS-2002-022, hep-ph/0207108
- R. FLEISCHER, J. MATIAS
Exploring CP Violation through Correlations in $B \rightarrow \pi K$, $B_d \rightarrow \pi^+ \pi^-$, $B_s \rightarrow K^+ K^-$ Observable Space.
Phys. Rev. D66 (2002) 054009 und
DESY 02-040, hep-ph/0204101
- Z. FODOR, S.D. KATZ, G. PAPP
Better than \$1/Mflops Sustained: A Scalable PC-Based Parallel
Computer for Lattice QCD.
DESY 02-018, ITP-BUDAPEST-580, hep-lat/0202030,
zur Veröffentl. in Comput. Phys. Commun.
- Z. FODOR, S.D. KATZ, A. RINGWALD
Relic Neutrino Masses and the Highest Energy Cosmic Rays.
JHEP 0206 (2002) 046 und DESY 02-014, hep-ph/0203198
- Z. FODOR, S.D. KATZ, K.K. SZABO
The QCD Equation of State at Nonzero Densities: Lattice Result.
DESY 02-126, ITP-BUDAPEST-584, hep-lat/0208078,
zur Veröffentl. in Phys. Lett. B
- A. FREITAS, W. HOLLIK, W. WALTER, G. WEIGLEIN
Electroweak Two-Loop Corrections to the $M_W - M_Z$ Mass Cor-
relation in the Standard Model.
Nucl. Phys. B632 (2002) 189 und DESY 02-015, hep-ph/0202131
- A. FREITAS, D. STÖCKINGER
Gauge Dependence and Renormalization of $\tan \beta$ in the MSSM.
Phys. Rev. D66 (2002) 095014 und
DESY 02-068, hep-ph/0205281
- C.D. FROGGATT, H.B. NIELSEN, Y. TAKANISHI
Family Replicated Gauge Groups and Large Mixing Angle Solar
Neutrino Solution.
Nucl. Phys. B631 (2002) 285 und DESY 02-006,
GUTPA-01-12-01, NBI-HE-01-12, hep-ph/0201152
- L. GIUSTI, C. HOELBLING, M. LÜSCHER, H. WITTIG
Numerical Techniques for Lattice QCD in the ϵ Regime.
DESY 02-212, hep-lat/0212012,
zur Veröffentl. in Comput. Phys. Commun.
- S. GODFREY, P. KALYNYIAK, N. ROMANENKO
Discovery Potential for Doubly Charged Higgs Bosons in e^+e^-
Collisions at LEP.
Phys. Lett. B545 (2002) 361 und DESY 02-034, hep-ph/0207240
- E. GOTSMAN, E. LEVIN, M. LUBLINSKY, U. MAOR
Towards a New Global QCD Analysis: Low x DIS Data from
Non-Linear Evolution.
Eur. Phys. J. C27 (2003) 411 und DESY 02-133, hep-ph/0209074
- K. HAGIWARA, S. KANEMURA, M. KLASSEN, Y. UMEDA
One-Loop Contributions of Charginos and Neutralinos to W-Pair
Production in e^+e^- Collisions.
DESY 02-205, hep-ph/0212135, zur Veröffentl. in Phys. Rev. D,

- K. HAMAGUCHI, M. KAKIZAKI, M. YAMAGUCHI
Democratic (S)fermions and Lepton Flavor Violation.
DESY 02-221, TU-677, hep-ph/0212172
- R.V. HARLANDER, M. STEINHAUSER
 $r_{\text{had. f.}}$: A Program for the Evaluation of the Hadronic R-Ratio
in the Perturbative Regime of QCD.
DESY 02-223, hep-ph/0212294
- A. HEBECKER, A. WESTPHAL
Power-Like Threshold Corrections to Gauge Unification in Extra
Dimensions.
DESY 02-218, hep-ph/0212175,
zur Veröffentlich. in Ann. Phys. (N.Y.)
- W. HOLLIK, E. KRAUS, M. ROTH, C. RUPP, K. SIBOLD, D.
STÖCKINGER
Renormalization of the Minimal Supersymmetric Standard Model.
Nucl. Phys. B639 (2002) 3 und DESY 02-054, hep-ph/0204350
- S.J. HUBER, Q. SHAFI
Majorana Neutrinos in a Warped 5-D Standard Model.
Phys. Lett. B544 (2002) 295 und DESY 02-045, hep-ph/0205327
- Cosmological Constant, Gauge Hierarchy and Warped Geometry.
DESY 02-098, hep-ph/0207232, zur Veröffentlich. in Phys. Rev. D
- M. KLASSEN
Theory of Hard Photoproduction.
Rev. Mod. Phys. 74 (2002) 1221 und
DESY 02-086, hep-ph/0206169
- Calculating Two and Three Body Decays with FeynArts and
FormCalc.
DESY 02-179, hep-ph/0210426,
zur Veröffentlich. in Comput. Phys. Commun.
- B.A. KNIEHL
Theoretical Aspects of Inclusive Light-Hadron Production.
J. Phys. G29 (2003) 111
- B.A. KNIEHL, F. MADRICARDO, M. STEINHAUSER
QCD Corrections to $t\bar{b}H^-$ Associated Production in e^+e^- Anni-
hilation.
Phys. Rev. D66 (2002) 054016 und
DESY 02-057, hep-ph/0205312
- B.A. KNIEHL, C.P. PALISOC, A. SIRLIN
Elimination of Threshold Singularities in the Relation between
On-Shell and Pole Width.
Phys. Rev. D66 (2002) 057902 und
DESY 02-073, hep-ph/0205304
- B.A. KNIEHL, C.P. PALISOC, L. ZWIRNER
Associated Production of Heavy Quarkonia and Electroweak Bos-
ons at Present and Future Colliders.
Phys. Rev. D66 (2002) 114002 und
DESY 02-101, hep-ph/0208104
- B.A. KNIEHL, A.A. PENIN, V.A. SMIRNOV, M. STEINHAUSER
Heavy Quarkonium Creation and Annihilation with $\mathcal{O}(\alpha_s^3 \ln(\alpha_s))$
Accuracy.
DESY 02-134, hep-ph/0210161
- Potential NRQCD and Heavy Quarkonium Spectrum at Next-to-
Next-to-Next-to-Leading Order.
Nucl. Phys. B635 (2002) 357 und DESY 02-012, hep-ph/0203166
- B.A. KNIEHL, L. ZWIRNER
 J/ψ Inclusive Production in νN Neutral-Current Deep-Inelastic
Scattering.
Nucl. Phys. B637 (2002) 311 und DESY 02-009, hep-ph/0201234
- P. KO, J. PARK, G. KRAMER
 $B^0 - \bar{B}^0$ Mixing, $B \rightarrow J/\psi K_s$ and $B \rightarrow X_d \gamma$ in General MSSM.
Eur. Phys. J. C25 (2002) 615 und DESY 02-085, hep-ph/0206297
- M. KOWALSKI, A. RINGWALD, H. TU
Black Holes at Neutrino Telescopes.
Phys. Lett. B529 (2002) 1 und DESY 02-001, hep-ph/0201139
- M. KOZLOV, E. LEVIN
QCD Saturation and $\gamma^* - \gamma^*$ Scattering.
DESY 02-206, hep-ph/0211348, zur Veröffentlich. in Eur. Phys. J.
- E. KRAUS, D. STÖCKINGER
Softly Broken Supersymmetric Yang-Mills Theories: Renormali-
zation and Non-Renormalization Theorems.
Phys. Rev. D65 (2002) 105014 und
DESY 02-010, hep-ph/0201247
- B. KUCKERT
Spin & Statistics in Nonrelativistic Quantum Mechanics.
quant-ph/0208151
- E. LUNGHI, D. PIRJOL, D. WYLER
Factorization in Leptonic Radiative $B \rightarrow \gamma \nu e \nu$ Decays.
Nucl. Phys. B649 (2003) 349 und hep-ph/0210091
- P. MARECKI
Application of Quantum Inequalities to Quantum Optics.
quant-ph/0203027
- A.D. MARTIN, M.G. RYSKIN, A.M. STAŚTO
Prompt Neutrinos from Atmospheric $c\bar{c}$ and $b\bar{b}$ Production and
the Gluon at Very Small x .
DESY 02-227, hep-ph/0302140
- I. MONTVAY
Unquenched Domain Wall Quarks with Multi-Bosons.
Phys. Lett. B537 (2002) 69 und DESY 02-044, hep-lat/0204019
- H.B. NIELSEN, Y. TAKANISHI
Baryogenesis via Lepton Number Violation and Family Replicated
Gauge Group.
Nucl. Phys. B636 (2002) 305 und DESY 02-033, NBI-HE-02-02,
hep-ph/0204027
- Five Adjustable Parameter Fit of Quark and Lepton Masses and
Mixings.
Phys. Lett. B543 (2002) 249 und DESY 02-066, NBI-HE-02-07,
hep-ph/0205180
- A.A. PENIN, M. STEINHAUSER
Heavy Quarkonium Spectrum at $\mathcal{O}(\alpha_s^5 m_q)$ and Bottom/Top Quark
Mass Determination.
Phys. Lett. B538 (2002) 335 und DESY 02-043, hep-ph/0204290

S. POMP, G. INGELMAN, T. JOHANSSON, S. OHLSSON
String Model Description of Polarisation and Angular Distributions
in $\bar{p}p \rightarrow \bar{\Lambda}\Lambda$.
Eur. Phys. J. A15 (2002) 517

M. PORRMANN
Particle Weights and their Disintegration I + II.
hep-th/0208230 und hep-th/0211046

A. RINGWALD
Electroweak Instantons/Sphalerons at VLHC?
Phys. Lett. B 555 (2003) 227 und DESY 02-157, hep-ph/0212099

F. SCHREMPF, A. UTERMANN
QCD Instantons and High-Energy Diffractive Scattering.
Phys. Lett. B543 (2002) 197 und DESY 02-094, hep-ph/0207300

M. STEINHAUSER
Results and Techniques of Multi-Loop Calculations.
Phys. Rep. 364 (2002) 247 und DESY 02-004, hep-ph/0201075

Veröffentlichte Vorträge

Proc. of the 20th Int. Sympos. on Lattice Field Theory (LAT-TICE2002), Boston/USA (2002) (Nucl. Phys. B, Proc. Suppl.)

D. BECIREVIC, P. BOUCAUD, V. GIMENEZ, C.-J.D. LIN, V. LUBICZ, G. MARTINELLI, M. PAPINUTTO, C.T. SACHRAJDA
Kaon Weak Matrix Elements with Wilson Fermions.
hep-lat/0209136

D. BECIREVIC, V. GIMENEZ, V. LUBICZ, G. MARTINELLI, M. PAPINUTTO, J. REYES
Non-Perturbative Renormalization of Four Fermion Operators and $B^0 - \bar{B}^0$ Mixing with Wilson Fermions.
hep-lat/0209131

D. BECIREVIC, V. GIMENEZ, V. LUBICZ, G. MARTINELLI, M. PAPINUTTO, J. REYES, C. TARANTINO
Non-Perturbative Renormalization Constants and Light Quark Masses.
hep-lat/0209168

C. BERNARD et al.
Panel Discussion on the Cost of Dynamical Quark Simulations.

C. BERNARD, S. HASHIMOTO, D.B. LEINWEBER, P. LEPAGE, E. PALLANTE, S.R. SHARPE, H. WITTIG
Panel Discussion on Chiral Extrapolation of Physical Observables.
hep-lat/0209086

F. CSIKOR, G. I. EGRI, Z. FODOR, S. D. KATZ, K. K. SZABO, A. I. TOTH
The QCD Equation of State at Finite T and μ .
DESY 02-140, ITP-BUDAPEST-587, hep-lat/0209114

F. DI RENZO, V. MICCIO, L. SCORZATO
Unquenched Numerical Stochastic Perturbation Theory.
hep-lat/0209018

F. FARCHIONI, C. GEBERT, I. MONTVAY, L. SCORZATO
Unquenched Domain Wall Quarks with TSMB.
DESY 02-122, hep-lat/0208064

Lattice QCD with Light Dynamical Quarks.
DESY 02-123, hep-lat/0209038

Z. FODOR, S.D. KATZ, G. PAPP
A Scalable PC-Based Parallel Computer for Lattice QCD.
DESY 02-141, ITP-BUDAPEST-588, hep-lat/0209115

S.J. HANDS, J.B. KOGUT, L. SCORZATO, C.G. STROUTHOS
The Chiral Limit of Non-Compact QED(3).
hep-lat/0209133

R. PEETZ, F. FARCHIONI, C. GEBERT, I. MONTVAY
Spectrum of SU(2) SUSY Yang-Mills Theory with a Light Gluino.
MS-TP-02-8

H. WITTIG
Chiral Effective Lagrangian and Quark Masses.
DESY 02-164, hep-lat/0210025

Proc. of the 10th Int. Conf. on Supersymmetry and Unification of Fundamental Interactions (SUSY2002), Hamburg/D (2002)

S. BERGE, M. KLASSEN
The Production of Gluino Pairs in High-Energy e^+e^- Collisions.
hep-ph/0210420

E. BOOS et al.
Impact of Tau Polarization for the Determination of High $\tan\beta$ and A_τ .
hep-ph/0211040

A. BRANDENBURG, M. MANIATIS, M.M. WEBER
Testing Coupling Relations in SUSY-QCD at a Linear Collider.
DESY 02-097, hep-ph/0207278

A. FREITAS, D. STÖCKINGER
Gauge Dependence and Renormalization of $\tan\beta$.
DESY 02-181, hep-ph/0210372

A. FREITAS, A. VON MANTEUFFEL
Precise Predictions for Slepton Pair Production.
DESY 02-182, hep-ph/0211105

M. FUJII, K. HAMAGUCHI
Non-Thermal Dark Matter from Affleck-Dine Baryogenesis.
DESY 02-192, UT-02-59, hep-ph/0211115

S. GODFREY, M.A. DONCHESKI
Phenomenology of Non-Commutative Field Theories.
DESY 02-195, hep-ph/0211247

S.J. HUBER
Flavor Physics and Warped Extra Dimensions.
DESY 02-186, hep-ph/0211056

E. LUNGHI
Improved Model Independent Analysis of Semileptonic and Radiative Rare B Decays.
hep-ph/0210379

A.S. SAFIR

$B \rightarrow K^* \ell^+ \ell^- (\rho \ell \nu_\ell)$ Helicity Analysis in the LEET.
DESY 02-143

H. TU

Mini Black Holes from Ultrahigh Energy Cosmic Neutrinos.
DESY 02-197, hep-ph/0211159

H. ABRAMOVICZ, J. BARTELS

Report on the Diffraction Physics Working Group.
Proc. of the 9th Int. Workshop on Deep Inelastic Scattering and QCD (DIS2001), Bologna/I (2001)

S. ALBINO, M. KLASSEN, S. SÖLDNER-REMBOLD

Strong Coupling Constant from the Photon Structure Function.
Proc. of the 10th Int. Workshop on Deep Inelastic Scattering (DIS2002), Cracow/PL (2002) (Acta Phys. Pol. B33 (2002) 2939)

A. ALI

Next-to-Leading Order Calculations of the Radiative and Semi-leptonic Rare B Decays in the Standard Model and Comparison with Data.

Proc. of the 31st Int. Conf. on High Energy Physics (ICHEP2002), Amsterdam/NL (2002) (Nucl. Phys. B, Proc. Suppl.) und CERN-TH-2002-284, hep-ph/0210183

C.R. ALLTON et al.

QCD at Nonzero Chemical Potential and Temperature from the Lattice,
Proc. of the Joint CCSM/JHF/NITP Workshop on Physics at the Japan Hadron Facility, Adelaide/AUS (2002) und hep-ph/0206200

B. ANANTHANARAYAN et al.

SUSY Precision Measurements at a Linear Collider.
Proc. of the 31st Int. Conf. on High Energy Physics (ICHEP2002), Amsterdam/NL (2002) (Nucl. Phys. B, Proc. Suppl.)

G. AZUELOS, E. BOOS et al.

The Beyond the Standard Model Working Group: Summary Report.
Proc. of the Workshop on Physics at TeV Collider, Les Houches/F (2001) und hep-ph/0204031

D. BAHNS

Unitary Quantum Field Theory on the Noncommutative Minkowski Space.

Proc. of the 35th Int. Sympos. Ahrenschoop on the Theory of Elementary Particles: Recent Developments in String/M Theory and Field Theory, Berlin/D (2002) und hep-th/0212266

J. BARTELS, K. GOLEC-BIERNAT, H. KOWALSKI

DGLAP Evolution in the Saturation Model.
Proc. of the 10th Int. Workshop on Deep Inelastic Scattering (DIS2002), Cracow/PL (2002) (Acta Phys. Pol. B33 (2002) 2853) und hep-ph/0207031

W. BERNREUTHER, A. BRANDENBURG, Z.G. SI, P. UWER

Top Quark Pair Production and Decay at Hadron Colliders: Predictions at NLO QCD Including Spin Correlations.

Proc. of the 31st Int. Conf. on High Energy Physics (ICHEP2002), Amsterdam/NL (2002) (Nucl. Phys. B, Proc. Suppl.) und DESY 02-144, hep-ph/0209202

G. BLAIR, et al.

Sleptons at e^+e^- Linear Colliders.
Proc. of the Int. Workshop on Linear Colliders (LCWS2002), Jeju Island/ROK (2002) und DESY 02-176

S. BLUDMAN

Bad News for Tracking Quintessence.
Proc. of the 4th Int. Heidelberg Conf. on Dark Matter in Astro and Particle Physics (DARK2002), Cape Town/ZA (2002)

Quintessence Cosmology.

Proc. of the Workshop on Strong and Electroweak Matter (SEWM 2002), Heidelberg/D (2002)

C. BRENNER MARIOTTO, M.B. GAY DUCATI, G. INGELMAN

Improved Mapping of $c\bar{c}$ onto Charmonium States.
Proc. of the 8th Int. Workshop on Hadron Physics, Bento Gonçalves/BR (2002) und hep-ph/0206256

Soft and Hard QCD in Charmonium Production.

Proc. of the Pan Am. Adv. Study Inst. on New States of Matter in Hadronic Interactions (PASI2002), Campos do Jordao/BR (2002) und hep-ph/0206254

W. BUCHMÜLLER

Neutrinos, Grand Unification and Leptogenesis.
Proc. of the Europ. School of High-Energy Physics, Beatenberg/CH (2001) (CERN 2002-002) und DESY 02-032

M. CARENA, D.W. GERDES, H.E. HABER, A.S. TURCOT, P.M. ZERWAS

Executive Summary of the Snowmass 2001 Working Group (P1): Electroweak Symmetry Breaking.
Proc. of the APS/DPP/DPB Summer Stud. on the Future of Particle Physics, Snowmass/USA (2001) und DESY 02-050, hep-ph/0203229

F. FARCHIONI, C. GEBERT, I. MONTVAY, L. SCORZATO

On the Price of Light Quarks.
12th Int. Seminar on High-Energy Physics (QUARKS 2002), Novgorod/RUS (2002) und DESY 02-146, hep-lat/0209142

R. FLEISCHER

Status and Prospects of CKM Phase Determinations.
Proc. of the 8th Int. Conf. on B-Physics at Hadron Machines, Santiago de Compostela/E (2002) und DESY 02-110, hep-ph/0208083

Extracting γ through Flavour-Symmetry Strategies.

Proc. of the Workshop on the CKM Unitarity Triangle, Geneva/CH (2002) und DESY 02-102, hep-ph/0207324

Z. FODOR, S.D. KATZ

Finite Temperature and Chemical Potential in Lattice QCD and its Critical Point.

Proc. of the 30th Int. Workshop on Gross Properties of Nuclei and Nuclear Excitation: Ultrarelativistic Heavy Ion Collisions, Hirschegg/A (2002) und nucl-th/0201071

- Lattice QCD Results at Finite T and μ .
Proc. of the Int. Workshop on Quark and Hadron Dynamics in Relativistic Heavy Ion Collisions (BP2002), Budapest/H (2002) und hep-lat/0204029
- Z. FODOR, S.D. KATZ, A. RINGWALD
Z-Burst Scenario for the Highest Energy Cosmic Rays.
Proc. of the Conf. on Physics beyond the Standard Model, Oulu/FIN (2002) und DESY 02-145, hep-ph/0210123
- A. FREITAS, A. VON MANTEUFFEL, G. MOORTGAT-PICK, P.M. ZERWAS et al.
Sfermion Precision Measurements at a Linear Collider.
Proc. of the 31st Int. Conf. on High Energy Physics (ICHEP2002), Amsterdam/NL (2002) (Nucl. Phys. B, Proc. Suppl.) und DESY 02-176, hep-ph/0211108
- C.D. FROGGATT, L.V. LAPERASHVILI, R.B. NEVZOROV, H.B. NIELSEN
The Value of Cosmological Constant in the SUGRA Models with Multiple Critical Point.
Proc. of the Nucl. Phys. Dept. of Russ. Acad. Sci. Conf. on Phys. of Fund. Int., Moscow/RUS (2002)
- W. GIELE, E. BOOS et al.
The QCD/SM Working Group: Summary Report.
Proc. of the Workshop on Physics at TeV Collider, Les Houches/F (2001) und hep-ph/0204316
- S. GODFREY
The Phenomenology of Glueball and Hybrid Mesons.
Proc. of the Workshop on Future Physics with COMPASS, Geneva/CH (2002) und DESY 02-194, hep-ph/0211464
- Topics in Meson Spectroscopy.
Proc. of the 31st Int. Conf. on High Energy Physics (ICHEP2002), Amsterdam/NL (2002) (Nucl. Phys. B, Proc. Suppl.) und DESY 02-170, hep-ph/0210400
- S. GODFREY, J. ROSNER
How to Find the Missing Heavy Quarkonium States.
Proc. of the 5th Int. Conf. on Quark Confinement and the Hadron Spectrum, Gargnano/I (2002) und DESY 02-169, EFI 02-55, hep-ph/0210399
- A. HEBECKER
High-Energy Scattering and Diffraction at HERA.
Proc. of the Int. Workshop on Strong and Electroweak Matter, Heidelberg/D (2002)
- S. HESSELBACH, D.J. MILLER, G. MOORTGAT-PICK, R. NEVZOROV, M. TRUSOV, P.M. ZERWAS
The Lightest Neutralino Mass in the NMSSM.
Proc. of the Nucl. Phys. Dept. of Russ. Acad. Sci. Conf. on Phys. of Fund. Int., Moscow/RUS (2002)
- W. HOLLIK, E. KRAUS, M. ROTH, C. RUPP, K. SIBOLD, D. STÖCKINGER
Renormalization of the Minimal Supersymmetric Standard Model.
Proc. of the 6th Int. Sympos. on Radiative Corrections (RADCOR 2002) and the 6th Zeuthen Workshop on Elem. Part. Theory, Kloster Banz/D (2002) (Nucl. Phys. B, Proc. Suppl.) und DESY 02-162, hep-ph/0210016
- M. KLASSEN
J/ ψ Production in Direct and Resolved $\gamma\gamma$ Collisions.
Proc. of the 6th Int. Sympos. on Radiative Corrections (RADCOR 2002) and the 6th Zeuthen Workshop on Elem. Part. Theory, Kloster Banz/D (2002) (Nucl. Phys. B, Proc. Suppl.) und hep-ph/0210144
- B.A. KNIEHL
Theoretical Developments in Standard-Model Higgs Physics at a Future e^+e^- Linear Collider.
Proc. of the Int. Workshop on Linear Colliders (LCWS2002), Jeju Island/ROK (2002)
- Hadron Production in Hadron-Hadron and Lepton-Hadron Collisions.
Proc. of the 4th Topical Conf. on Hadron Collider Physics (HCP2002), Karlsruhe/D (2002)
- Quarkonium Production in Deep-Inelastic Scattering.
Proc. of the 6th Int. Sympos. on Radiative Corrections (RADCOR 2002) and the 6th Zeuthen Workshop on Elem. Part. Theory, Kloster Banz/D (2002) (Nucl. Phys. B, Proc. Suppl.)
- B. KUCKERT
Moving Quantum Systems: Particles versus Vacuum.
4th Int. Conf. on Operator Algebras and Math. Phys., Constanta/R (2001) und math-ph/0203011
- E. LUNGI
NNLO Analysis of Semileptonic Rare B Decays.
Proc. of the 37th Rencontres de Moriond: Electroweak Interactions and Unified Theories, Les Arcs/F (2002) und hep-ph/0205135
- D.J. MILLER, R.B. NEVZOROV, P.M. ZERWAS
Higgs Bosons in the NMSSM with Softly Broken PQ-Symmetry.
Proc. of the Nucl. Phys. Dept. of Russ. Acad. Sci. Conf. on Phys. of Fund. Int., Moscow/RUS (2002)
- H.B. NIELSEN, Y. TAKANISHI
Family Replicated Fit of all Quark and Lepton Masses and Mixings.
Proc. of the 8th Adriatic Meeting and Central Europ. Sympos. on Particle Physics in the New Millennium, Dubrovnik/HR (2001) und NBI-HE-02-01, hep-ph/0203147
- Family Replicated Calculation of Baryogenesis.
Proc. of the 8th Adriatic Meeting and Central Europ. Sympos. on Particle Physics in the New Millennium, Dubrovnik/HR (2001) und NBI-HE-02-03, hep-ph/0204105
- A.A. PENIN
Potential Nonrelativistic QCD and Heavy Quarkonium Spectrum in Next-to-Next-to-Next-to-Leading Order.
Proc. of the 6th Int. Sympos. on Radiative Corrections (RADCOR 2002) and the 6th Zeuthen Workshop on Elem. Part. Theory, Kloster Banz/D (2002) (Nucl. Phys. B, Proc. Suppl.) und hep-ph/0210201

A. RINGWALD

Vacuum Structure and High-Energy Scattering.

Proc. of the HEP Int. Conf. in Quantum Chromodynamics (QCD 2002), Montpellier/F (2002) und DESY 02-158, hep-ph/0210209

Production of Black Holes in TeV-Scale Gravity.

Proc. of the 35th Int. Sympos. Ahrenschoop on the Theory of Elementary Particles, Berlin/D (2002) und DESY 02-159, hep-ph/0212342

How to Detect the Cosmic Neutrino Background?

Proc. of the Workshop on Strong and Electroweak Matter (SEWM 2002), Heidelberg/D (2002)

A.S. SAFIR

Exclusive $B \rightarrow K^{**}\gamma$ Decays in the QCD LCSR Approach.

Proc. of the 37th Rencontres de Moriond: Electroweak Interactions and Unified Theories, Les Arcs/F (2002) und DESY 02-047

F. SCHREMPP

QCD-Instantons and Small-x Diffraction.

Proc. of the Workshop on Strong and Electroweak Matter (SEWM 2002), Heidelberg/D (2002)

F. SCHREMPP, A. UTERMANN

Instantons and Saturation in the Colour Dipole Picture.

Proc. of the 10th Int. Workshop on Deep Inelastic Scattering (DIS2002), Cracow/PL (2002) (Acta Phys. Pol. B33 (2002) 3633) und DESY 02-093, hep-ph/0207052

QCD-Instantons and Saturation at Small x.

Proc. of the Workshop on Strong and Electroweak Matter (SEWM 2002), Heidelberg/D (2002) und DESY 02-220, hep-ph/0301177

M. STEINHAUSER

R(s) and the Heavy Quark Masses.

Proc. of the 6th Int. Sympos. on Radiative Corrections (RADCOR 2002) and the 6th Zeuthen Workshop on Elem. Part. Theory, Kloster Banz/D (2002) (Nucl. Phys. B, Proc. Suppl.)

N. TIMNEANU, R. ENBERG, G. INGELMAN

Diffraction Higgs Production: Soft Colour Interactions Perspective.

Proc. of the 10th Int. Workshop on Deep Inelastic Scattering (DIS2002), Cracow/PL (2002) (Acta Phys. Pol. B33 (2002) 3479)

H. TU

Microscopic Black Hole Production in TeV-Scale Gravity.

Proc. of the 5th Moscow Int. School of Physics and 30th ITEP Winter School of Physics, Moscow/RUS (2002) und DESY 02-053, hep-ph/0205024

H. WITTIG

Cost of Dynamical Quark Simulations: $O(a)$ Improved Wilson Fermions.

Proc. of the 19th Int. Sympos. on Lattice Field Theory (LATTICE 2001), Berlin/D (2001) (Nucl. Phys. B, Proc. Suppl. 106 (2002) 197) und hep-lat/0203021

Quark Masses and Low-Energy Constants from Lattice QCD.

Proc. of 5th Int. Conf. on Quark Confinement and the Hadron Spectrum, Gargnano/I (2002)

P.M. ZERWAS, A. FREITAS, G.A. BLAIR, G. MOORTGAT-PICK

Reconstruction of Fundamental SUSY Parameters.

Proc. of the 31st Int. Conf. on High Energy Physics (ICHEP2002), Amsterdam/NL (2002) (Nucl. Phys. B, Proc. Suppl.)

Proc. of the Int. Workshop on Linear Colliders (LCWS 2002), Jeju Island/ROK (2002) und DESY 02-175, hep-ph/0211076

Vorträge

A. ALI

Theoretical Review of Rare B Decays.

18th Int. Workshop on Weak Interactions and Neutrinos (WIN 2002), Christchurch/NZ (2002)

KEK Tsukuba/J (2002)

Nat. Cent. Phys., Islamabad/PAK (2002)

Improved Analysis of Semileptonic and Radiative Rare B Decays in the SM and Supersymmetric Theories.

CKM Unitarity Triangle Workshop, CERN Geneva/CH (2002) LAL/LPT und Univ. Paris, Orsay/F (2002)

Radiative Penguin B-Decays: Theory of Exclusive Decays.

CKM Unitarity Triangle Workshop, Geneva/CH (2002)

Branching Ratios for $B \rightarrow K^*\gamma$ and $B \rightarrow \rho\gamma$ in Next-to-Leading Order in the Large Energy Effective Theory.

LPT und Univ. Paris, Orsay/F (2002)

DPF-2002 Meeting, Williamsburg/USA (2002)

Improved Model-Independent Analysis of Semileptonic and Radiative Rare B Decays.

Univ. of Nagoya/J (2002)

DPF-2002 Meeting, Williamsburg/USA (2002)

Extended Minimal Flavour Violating MSSM and Implications for B Decays.

DPF-2002 Meeting, Williamsburg/USA (2002)

Nat. Tech. Univ., Taiwan/RC (2002)

CP Violation and CKM Matrix.

Acad. Sin., Taiwan/RC (2002)

Four Seas Conf., Thessaloniki/GR (2002)

Radiative and Leptonic Rare B Decays in the Standard Model and Supersymmetric Theories.

2nd Int. Workshop on B Physics and CP Violation, Taiwan/RC (2002)

CKM Matrix – Theoretical Issues and Perspectives.

Int. Workshop on Quark Mixing, CKM Unitarity, Heidelberg/D (2002)

The Current and Impending Theoretical Interest in Electroweak Penguins in B Decays.

CERN Geneva/CH (2002)

Goals of B Physics at LHC.

LHC Collab. Meeting, CERN Geneva/CH (2002)

Precision Tests of the SM in the B-Factory Era.

Univ. Zürich/CH (2002)

D. BAHNS

Unitary Quantum Field Theory on the Noncommutative Minkowski Space.

LMU München/D (2002)

Univ. Göttingen/D (2002)

Erwin-Schrödinger-Inst., Wien/A (2002)

MPI Albert-Einstein-Inst., Golm/D (2002)

S. BLUDMAN

Quintessence Cosmology.

Univ. of Oslo/N (2002)

Univ. of Wisconsin, Madison/USA (2002)

Bartol Res. Inst., Univ. of Delaware, Newark/USA (2002)

Univ. of Pennsylvania, Philadelphia/USA (2002)

Werner Heisenberg and the German Atomic Bomb.

Univ. of Oslo/N (2002)

Univ. of Wisconsin, Madison/USA (2002)

Difficulties for SNAP Observing the Evolution of Quintessence Equation of State.

LBL Berkeley/USA (2002)

Quintessence Cosmology, Challenges to the Standard Paradigm: Fundamental Physics and Cosmology.

Nat. Acad. Sci. Irvine/USA (2002)

E. BOOS et al.

Tau Polarization in Stau Production and Decay.

2nd Workshop of the Extended Joint ECFA/DESY Linear Collider Study, St. Malo/F (2002)

E. BOOS, A. SHERSTNEV

Spin Correlations in Single Top.

2nd Workshop of the Extended Joint ECFA/DESY Linear Collider Study, St. Malo/F (2002)

A. BRANDENBURG

Testing SUSY-QCD Coupling Relations at a Linear Collider.

Summary on QCD/Top Physics.

2nd Workshop of the Extended Joint ECFA/DESY Linear Collider Study, St. Malo/F (2002)

Deep Inelastic Scattering and Neutrinos.

Int. School on Astroparticle and Neutrino Physics, Varenna/I (2002)

W. BUCHMÜLLER

CP-Violation, Neutrino Mixing and the Baryon Asymmetry.

UCLA Los Angeles/USA (2002)

Masses and Mixings of Neutrinos and Leptogenesis.

CERN Geneva/CH (2002)

Neutrinomassen und die Baryonasymmetrie.

DPG-Frühjahrestagung Teilchenphysik, Leipzig/D (2002)

Exceptional Coset Spaces and Unification in Six Dimensions.

Univ. Lausanne/CH (2002)

12th Int. Seminar on High-Energy Physics (QUARKS2002), Novgorod/RUS

Univ. Oxford/GB (2002)

Baryo- and Leptogenesis.

Summer School on Astroparticle Physics and Cosmology, Trieste/I (2002)

Theoretical Perspectives of Particle Physics.

12th EPS General Conf. on Trends in Physics, Budapest/H (2002)

Neutrinos and Baryogenesis.

Fermilab Batavia/USA (2002)

L. COVI

Inflation and Cosmic Microwave Background Radiation.

Hamburger Sternwarte, Hamburg/D (2002)

SO(10) GUT in 6D.

Bad Honnef/D (2002)

A Six-Dimensional SO(10) GUT.

Fermilab Batavia/USA (2002)

Bounds on T_{RH} from Axinos CDM.

Adler Planetarium, Chicago/USA (2002)

New Constraints on the Running-Mass Models of Inflation.

Univ. Roma I „La Sapienza“ Rome/I (2002)

Univ. Auton. Madrid/E (2002)

R. FLEISCHER

New Developments in the Exploration of CP Violation through B-Meson Decays.

DESY Hamburg/D (2002)

Lectures on B Physics and CP Violation.

Univ. Auton. Barcelona/E (2002)

Univ. Karlsruhe/D (2002)

17th Nordic Particle Physics Meeting, Spåtind/N (2002)

Int. School on Heavy Quark Physics, Dubna/RUS (2002)

Theoretical Summary of the Weak Decay, CKM and CP Violation Session.

Flavour-Symmetry Strategies to Extract γ .

18th Int. Workshop on Weak Interactions and Neutrinos (WIN 2002), Christchurch/NZ (2002)

A. FREITAS

Precision Analysis of Scalar Lepton Pair Production at a Linear Collider.

Univ. Barcelona/E (2002)

Determination of Slepton Particle Properties.

NLO Corrections to Selectron Pair Production.

2nd Workshop of the Extended ECFA/DESY Linear Collider Study, St. Malo/F (2002)

C.D. FROGGATT, L.V. LAPERASHVILI, R.B. NEVZOROV, H.B. NIELSEN

Multiple Point Principle and Quasi Fixed Point Scenario in the 2HDM.

Int. Workshop on What Comes beyond the Standard Model, Bled/SLO (2002)

- S. GODFREY
Open Questions in Heavy Quarkonium Spectroscopy.
Int. Workshop on Heavy Quarkonium, Geneva/CH (2002)
- The Phenomenology of Non-Commutative Field Theories.
Univ. Würzburg/D (2002)
- Physics with an $e\gamma$ Collider.
Univ. Hamburg/D (2002)
- A. HEBECKER
Orbifold Grand Unified Theories.
Univ. of Manchester/GB (2002)
- Group Theory and Grand Unification.
Univ. Hamburg/D (2002)
- S.J. HUBER
Lepton Flavor Violation from Extra Dimensions.
14th Workshop on Physics beyond the Standard Model, Bad Honnef/D (2002)
- Fermion Masses from Localized Gravity.
Univ. Heidelberg/D (2002)
- Neutrino Masses in Models of Warped Extra Dimensions.
3rd Topical Workshop on Particle Physics and Cosmology, San Juan/Puerto Rico (2002)
- G. INGELMAN
Higgs and other LHC Topics.
Nordic LHC Workshop, Uppsala/S (2002)
- Soft and Hard Rapidity Gaps in QCD.
Univ. Lund/S (2002)
- H. KASTRUP
The „Hydrogen Problem“ of Quantum Gravity: Quantizing the Schwarzschild Black Hole.
Humboldt-Univ. Berlin/D (2002)
MPI Golm/D (2002)
- How to Quantize Phases and Moduli.
Univ. Ulm/D (2002)
MPI München/D (2002)
MPI Golm/D (2002)
Humboldt-Univ. Berlin/D (2002)
24th Int. Colloq. on Group Theoretical Methods in Physics: GROUP-24, Paris/F (2002)
- B.A. KNIEHL
Decoupling Relations, Effective Lagrangians, and Low-Energy Theorems.
Nat. Univ. Seoul/ROK (2002)
- Theoretical Aspects of Standard-Model Higgs-Boson Physics at a Future e^+e^- Linear Collider.
Busan/ROK (2002)
KAIST, Daejeon/ROK (2002)
- Theoretical Aspects of Inclusive Light-Hadron Production. Quarkonium Production in Deep-Inelastic Scattering.
CERN Geneva/CH (2002)
- Single Charged-Higgs Production.
Prague/CZ (2002)
- Aktuelle Probleme in der Theoretischen Elementarteilchenphysik.
Univ. Hamburg/D (2002)
- M. LUBLINSKY
Nuclear Shadowing from Nonlinear Evolution in DIS.
ECT Trento/I (2002)
- F. MADRICARDO
QCD Corrections to Charged Higgs Production.
DPG-Frühjahrstagung Teilchenphysik, Leipzig/D (2002)
- Single Higgs Boson Production at Future Linear Collider.
Univ. Hamburg/D (2002)
- M. MANIATIS
SUSY QCD Corrections to Top Pair Production and Decay.
ECFA DESY Workshop, Prague/CZ (2002)
- L. MIHAILA
Quarkonium Production in $\gamma\gamma$ Collisions at NLO.
DPG Frühjahrstagung Teilchenphysik, Leipzig/D (2002)
- J/ψ Production in Photon-Photon Collisions as an Example of Automatized FeynGraph Calculations.
GrK-Treff, Zeuthen/D (2002)
- I. MONTVAY
Supersymmetric Yang-Mills Theory on the Lattice.
TMR Workshop, Southampton/GB (2002)
Niels Bohr Inst., Copenhagen/DK (2002)
- On the Price of Light Quarks.
Univ. Regensburg/D (2002)
- Numerical Simulations with Light Wilson-Quarks.
Univ. Heidelberg/D (2002)
- A. RINGWALD
Absolute Neutrino Masses from the Highest Energy Cosmic Rays.
18th Int. Workshop on Weak Interactions and Neutrinos, (WIN 2002) Christchurch/NZ (2002)
LAL Orsay/F (2002)
14th Workshop on Beyond the Standard Model, Bad Honnef/D (2002)
- Cosmic Neutrinos and Physics beyond the Standard Model.
12th Int. Seminar on High Energy Physics (QUARKS2002), Novgorod/RUS (2002)
- From QCD-Instantons at HERA to Electroweak (B+L)-Violation at VLHC.
26th Johns Hopkins Workshop, Heidelberg/D (2002)
- Non-Perturbative Methods in QCD apart from Lattice Simulations.
DESY Theory Workshop, Hamburg/D (2002)
- Particle Physics at an X-Ray Free Electron Laser.
Workshop on Vacuum Pair Creation, Trento/I (2002)
- From Big Bang Relic Neutrinos to the Highest Energy Cosmic Rays.
Bonn/D (2002)
Aachen/D (2002)

F. SCHREMPF

Instantons in the QCD Vacuum and High-Energy Scattering.
14th Workshop on Physics beyond the Standard Model, Bad Honnef/D (2002)

L. SCORZATO

Lattice QCD with Light Dynamical Quarks
Univ. of Parma/I (2002)
Trinity Coll., Dublin/IRL (2002)

M. STEINHAUSER

J/ψ Production in $\gamma\gamma$ Collisions.
CERN Geneva/CH (2002)

Heavy Quark Masses.

Univ. Karlsruhe/D (2002)

The Cross Section $e^+e^- \rightarrow$ Hadrons.

DESY Hamburg/D (2002)

Y. TAKANISHI

Five Adjustable Parameter Fit of Quark and Lepton Masses and Mixings.

Univ. München/D (2002)

About Lepton and Quark Mass Matrices.

Univ. Ritsumeikan/J (2002)

H. TU

Black Holes from Ultrahigh Energy Cosmic Neutrinos.
14th Workshop on Physics beyond the Standard Model, Bad Honnef/D (2002)

Euro-GDR General Meeting, Durham/GB (2002)

A. UTERMANN,

Instantons and Saturation in the Colour Dipole Picture.

Univ. Hamburg/D (2002)

DESY Hamburg/D (2002)

H. WITTIG

Results from Simulations Employing Lattice Chiral Symmetry.

DESY Theory Workshop, Hamburg/D (2002)

P. M. ZERWAS

Electroweak Symmetry Breaking.

Lectures, Dutch School of Part. Phys., Nijmegen/NL (2002)

Teilchenphysik.

Kolloquium, Univ. Göttingen/D (2002)

Particle Physics: Status and Perspectives.

Kolloquien,

Univ. Heidelberg/D (2002)

Univ. Karlsruhe/D (2002)

Univ. Zürich/CH (2002)

DPG-Frühjahrstagung, Leipzig/D (2002)

Schule für Theoretische Physik, Bad Honnef/D (2002)

Physics with TeV e^+e^- Colliders.

Lectures, Acad. Training Progr., CERN Geneva/CH (2002)

Physics with e^+e^- Colliders.

Kolloquium, Univ. Milan/I (2002)

LBL Berkeley/USA (2002)

The Physics Program of TeV e^+e^- Colliders.

ICFA Seminar, CERN Geneva/CH (2002)

Dissertationen

A. FREITAS

Production of Scalar Leptons at Linear Colliders.

Univ. Hamburg/D (2002)

DESY-THESIS-2002-023

C. GEBERT

Light Quark Fields in Lattice Gauge Theories.

Univ. Hamburg/D (2002)

DESY-THESIS-2002-044

H. KIM

Inclusive Semi-Leptonic B-Meson Decay in the QCD-Improved Parton Model.

Univ. Hamburg/D (2002)

DESY-THESIS-2002-048

K. KRATZERT

Supersymmetry Breaking at Finite Temperature.

Univ. Hamburg/D (2002)

DESY-THESIS-2002-045

F. MADRICARDO

Single Higgs Boson Production at Future Linear Collider.

Univ. Hamburg/D (2002)

DESY-THESIS-2002-053

M. MANIATIS

Gauge and Yukawa Interactions in SUSY QCD.

Univ. Hamburg/D (2002)

DESY-THESIS-2002-007

L.N. MIHAILA

Theoretical Investigations of Heavy Quarkonium Production in Photon-Photon Collisions.

Univ. Hamburg/D (2002)

DESY-THESIS-2002-054

A.S. SAFIR

Theoretical Studies of Exclusive Rare B Decays in the Standard Model and Supersymmetric Theories.

Univ. Hamburg/D (2002)

DESY-THESIS-2002-040, hep-ph/0211103

Y. TAKANISHI

Fermion Masses and Mixings, and Leptogenesis.

Niels Bohr Inst., Copenhagen/DK (2002)

N. TIMNEANU

The Colour of Gluon Interactions – Studies of QCD in Soft and Hard Processes.

Univ. Uppsala/S (2002)

Interner Bericht

H. WITTIG

An Introduction to Quantum Field Theory.

Lecture Notes, Summer School for Young High Energy Physicists, Chilton/GB (2002)

DESY T-02-01

HASYLAB

Veröffentlichungen

S. ADAM, C. MCGINLEY, T. MÖLLER, D.V. TALAPIN, H. BORCHERT, M. HAASE, H. WELLER

Photoemission Study of Size Selected InP Nanocrystals: The Relationship between Luminescence Yield and Surface Structure.

Zur Veröffentlichung in Eur. Phys. J. D

S. AGNELLO, R. BOSCAINO, M. CANNAS, F.M. GELARDI, M. LEONE

UV and Vacuum UV Properties of Ge Related Centers in Gamma Irradiated Silica.

Zur Veröffentlichung in Rad. Eff. Defects Solids

S. AGNELLO, R. BOSCAINO, M. CANNAS, F.M. GELARDI, M. LEONE, B. BOIZOT

Competitive Relaxation Processes of Oxygen Deficient Centers in Silica.

Zur Veröffentlichung in Phys. Rev. B

B. ALBERT, J. JANEK

Chemie und Licht.

In: Chemie und Licht, A. Müller (ed.), P.U.S.-Buch, Gießen/D (2002)

M. AMAMI, S. VAN SMAALEN, A. BEN SALAH

Bis(trimethylammonium)tetrachloromercurate(II) at 343 K.

Acta Crystallogr. E58 (2002) 416

J.W. ANDREASEN, O. RASMUSSEN, R. FEIDENHANS'L, F. BERG RASMUSSEN, R. CHRISTENSEN, R.C. EGEBERG, M. MOLENBROEK, G. GOERIGK

An in situ Cell for SAXS Investigations of Nano Structured Catalysts.

Zur Veröffentlichung in J. Appl. Cryst.

R. ANDROSCH, N. STRIBECK, T. LÜPKE, S.S. FUNARI

Investigation of the Deformation of Homogeneous Poly(ethylene-co-1-octene) by Wide- and Small-Angle X-Ray Scattering Using Synchrotron Radiation.

J. Polym. Sci. B: Polym. Phys. 401 (2002) 1919

F. ANIA, A. FLORES, F.J. BALTA-CALLEJA

Density Fluctuations as Precursors of Crystallization in Polyamide 6,6 Using Time-Resolved X-Ray Scattering Techniques.

Zur Veröffentlichung in J. Macromol. Sci.-Phys.

I. ARCON, A. KODRE, R.M. ABRA, A. HUANG, J.J. VALLNER, D.D. LASIC

EXAFS Study of Liposome Encapsulated Cisplatin.

Zur Veröffentlichung in Colloids Surf. B: Biointerfaces

I. ARCON, M. MOZETIC, A. ZALAR, A. KODRE, J. JAGIELSKI

EXAFS Study of Ion Beam Mixed Fe/Al Multilayers.

Zur Veröffentlichung in Nucl. Instrum. Methods B

J. ARRANZ-ANDRÉS, R. BENAVENTE, B. PENA, E. PÉREZ, M.L. CERRADA

Toughening of a Propylene-b-(Ethylene-Copropylene) Copolymer by a Plastomer.

J. Polym. Sci. B: Polym. Phys. 40 (2002) 1869

T. ASTHALTER, H. FRANZ, U. VAN BÜRCK, K. MESSEL, E. SCHREIER, R. DINNEBIER

Structures and Dynamics of Octamethyl-Ethynyl-Ferrocene: An Organometallic Rotator Phase.

Zur Veröffentlichung in J. Chem. Phys.

T. ASTHALTER, I. SERGUEEV, H. FRANZ, W. PETRY, K. MESSEL, R. VERBENI

Glass Dynamics and Scaling Behaviour under Pressure Using Quasielastic Nuclear Forward Scattering.

Zur Veröffentlichung in Hyperfine Interact.

M. AY, A. NEFEDOV, H. ZABEL

Growth Properties and Structural Analysis of ZnO Films and Au Clusters on ZnO.

Zur Veröffentlichung in Appl. Surf. Sci.

V. AYVAZYAN et al.

A New Powerful Source for Coherent VUV Radiation: Demonstration of Exponential Growth and Saturation at the TTF Free-Electron Laser .

Eur. Phys. J. D20 (2002) 149

Generation of GW Radiation Pulses from a VUV Free-Electron Laser Operating in the Femtosecond Regime.

Phys. Rev. Lett. 88 (2002) 104802

P. BALAZ, E. GODOCIKOVA, Z. BASTL, J.Z. JIANG, E. BOLDIZAROVA, M. LUXOVA

Characterization of Nanocrystalline Products Prepared by Mechanochemical Reduction of Copper Sulphide.

Zur Veröffentlichung in Czech J. Phys.

P. BALGAVY, L. VOJCIKOVA, E. SVAJDLENKA

Microcalorimetric Study of the DNA Melting in the Presence of Phosphatidylcholine Liposomes and Magnesium Ions.

Acta Facult. Pharm. Univ. Comen. 49 (2002) 17

I.O. BASHKIN, V.K. FEDOTOV, H.-J. HESSE, A. SCHIWEK, W.B. HOLZAPFEL, E.G. PONYATOVSKY

An in situ Structural Study of the High-Pressure Transformations in TiH_{0.74}.

J. Phys.: Condens. Matter 14 (2002) 955

A. BECKER, U. BISMAYER, M. EPPEL, H. FABRITIUS, B. HASSE, J. SHI, A. ZIEGLER

Structural Characterisation of Amorphous Calcium Carbonate (ACC) in Sternal Deposits of the Crustacea Porcellio Scaber.

Zur Veröffentlichung in J. Chem. Soc. Dalton Trans.

- H.S. BENGAARD, J.K. NØRSKOV, J. SEHESTED, B.S. CLAUSEN, L.P. NIELSEN, A.M. MOLENBROEK, J. ROSTRUP-NIELSEN
Steam Reforming and Graphite Formation on Ni Catalysts.
J. Catalysis 209 (2002) 363
- R. BENAVENTE, E. PÉREZ, M. YAZDANI, R. QUIJADA
Viscoelastic Relaxations in Poly(Ethylene-Co-1-Octadecene) Synthesized by a Metallocene Catalyst.
Zur Veröffentlichung in *Polymer*
- C. BENMORE, B. TOMBERLI, J. NEUEFEIND, P. EGELSTAFF
Isotopic Quantum Correction to Liquid Methanol at -30°C .
Zur Veröffentlichung in *J. Appl. Phys. A*
- R. BERNHARDT, S. RAMMELT, R. BEUTNER, F. BECKMANN, B. JESCHKE, C. DAHMEN, H. KESSLER, D. SCHARNWEBER, H. WORCH
Bio Surface-Engineering von Titanimplantaten durch elektrochemisch gestützte Immobilisierung von RGD-Peptid: Erste Tierexperimentelle Befunde an einem Rattenmodell.
BIOmaterialien 3 (2002) 150
- U. BISMAYER, W.T. LEE, J. NOVAK, E.K.H. SALJE
Ferroelastic Minerals: Transformation, Domain Walls and Atomic Diffusion.
Zur Veröffentlichung in *Mineralog. Mag.*
- G. BLANCO, J.M. PINTADO, S. BERNAL, M.A. CAUQUI, M.P. CORCHADO, A. GALTAYRIES, J. GHIJSEN, R. SPORKEN, T. EICKHOFF, W. DRUBE
Influence of the Nature of the Noble Metal (Rh,Pt) on the Low-Temperature Reducibility of a Ce/Tb Mixed Oxide with Application as TWC Component.
Surf. Interface Anal. 34 (2002) 120
- J. BÖHM, A. WANNER, R. KAMPMANN, H. FRANZ, K.D. LISS, A. SCHREYER, H. CLEMENS
Internal Stress Measurements by High-Energy Synchrotron X-Ray Diffraction at Increased Specimen-Detector Distance.
Zur Veröffentlichung in *Nucl. Instrum. Methods B*
- T. BÖTTGER, D.C. MEYER, P. PAUFLER, S. BRAUN, M. MOSS, H. MAI, E. BEYER
Thermal Stability of Mo/Si Multilayers with Boron Carbide Interlayers.
Zur Veröffentlichung in *Thin Solid Films*
- C. BOSTEDT, T. VON BUREN, N. FRANCO, T. WILLEY, L.J. TERMINELLO, T. MÖLLER
Electronic Structure of Germanium Nanocluster Films.
J. Electron Spectrosc. Relat. Phenom. 126 (2002) 117
- A. BÓTA, G. GOERIGK, T. DRUCKER, H.-G. HAUBOLD, J. PETRÓ
Anomalous Small-Angle X-Ray Scattering on a New, Nonpyrophoric Raney-Type Ni Catalyst.
J. Catalysis 205 (2002) 354
- J. BRANDT, L. KIPP, M. SKIBOWSKI, E.E. KRASOVSKII, W. SCHATTKKE, E. SPIECKER, C. DIEKER, W. JÄGER
Charge Transfer in Misfit Layered Compounds.
Zur Veröffentlichung in *Surf. Sci.*
- W. BREFELD et al.
Study of the Frequency Multiplication Process in a Multistage HGHG FEL.
Nucl. Instrum. Methods A483 (2002) 388
- H.-G. BROKMEIER, A. GÜNTHER, S.-B. YI, W.-H. YE, T. LIPPMANN, U. GARBE
Investigation of Local Textures in Extruded Magnesium by Synchrotron Radiation.
Zur Veröffentlichung in *Adv. X-Ray Anal.*
- G. BRUNAUER, H. BOYSEN, F. FREY, H. EHRENBERG
Domain-Structure and Phase Transition in Sc-Doped Zirconia.
J. Phys.: Condens. Matter 14 (2002) 135
- G. BUSSE, T. TSCHENTSCHER, A. PLECH, M. WULFF, B. FREDERICHES, S. TECHERT
First Investigations of the Kinetics of the Topochemical Reaction of P-Formyl-Trans-Cinnamic Acid by Time-Resolved X-Ray Diffraction.
Faraday Discuss. 122 (2002) 105
- M.E. CAGIAO, R.K. BAYER, D.R. RUEDA, F.J. BALTA-CALLEJA
An X-Ray Scattering Study of Water-Conditioned Injection-Molded Starch during Isothermal Heating.
Zur Veröffentlichung in *J. Appl. Polymer Sci.*
- M. CANNAS, S. AGNELLO, R. BOSCAINO, F.M. GELARDI, M. LEONE, B. BOIZOT
Optical Properties of Oxygen-Deficiency Related Centers in Amorphous SiO_2 Investigated by Synchrotron Radiation.
Zur Veröffentlichung in *Rad. Eff. Defects Solids*
- L.X. CAO, T.L. LEE, F. RENNER, Y.X. SU, R.L. JOHNSON, J. ZEGENHAGEN
Strain Release and Twin Structure in Ultra-Thin $\text{GdBa}_2\text{Cu}_3\text{O}_{7-\delta}$ Films on (001) SrTiO_3 and NdGaO_3 .
Phys. Rev. B 65 (2002) 113402
- R. CARDOSO, R. NIEWA, M. SCHMIDT, M. ARMBRÜSTER, M. HANFLAND, K. KLEMENTIEV, U. SCHWARZ
Pressure-Induced Changes of the Crystal Structure of Eu_4P_3 .
Zur Veröffentlichung in *Z. Anorg. Allg. Chemie*
- M.B. CASU, P. IMPERIA, B. SCHULZ, S. SCHRADER
Electronic Structure at the Interface Between Metals and New Materials for Organic Light-Emitting Diodes.
Surf. Sci. 507-510C (2002) 664
- M.B. CASU, P. IMPERIA, J.E. WONG, S. SCHRADER
Interface Properties of Organic Materials Investigated by Using Ultraviolet Photoelectron Spectroscopy.
Zur Veröffentlichung in *Synth. Met.*
- M. CASU, C.H. KEITEL
Resonant Multiphoton X-Ray Optics with Highly Charged Ions.
Europhys. Lett. 58 (2002) 496
- C. CASTELLANO, O. PALUMBO, A. PAOLONE, R. CANTELLI
Temperature Study of MnAs Local Structure by EXAFS.
Zur Veröffentlichung in *Solid State Commun.*

- C. CASTELLANO, A. PAOLONE, F. CORDERO, R. CANTELLI, M. FERRETTI
Relation between Charge Ordering and Local Lattice Disorder in Manganites Studied by EXAFS.
Zur Veröffentlichung in Solid State Commun.
- M.L. CERRADA, R. BENAVENTE, E. PÉREZ
Crystalline Structure and Viscoelastic Behavior in Composites of a Metallocenic Ethylene-1-Octene Copolymer and Glass Fiber.
Macromol. Chem. Phys. 203 (2002) 718
- M.L. CERRADA, R. BENAVENTE, G. ZAMFIROVA, E. PÉREZ
Influence of the Type of Fiber on the Structure and Viscoelastic Relaxations in Composites Based on a Metallocenic Ethylene-1-Octene Copolymer.
Polymer J. 34 (2002) 175
- W.M. CHEN, P.J. MCNALLY, K. JACOBS, T. TUOMI, A.N. DANILEWSKY, Z.R. ZYTKIEWICZ, D. LOWNEY, J. KANATHARANA, L. KNUUTTILA, J. RIIKONEN
Determination of Crystal Misorientation in Epitaxial Lateral Overgrowth of GaN.
J. Cryst. Growth 243 (2002) 94
- N. CHIODINI, A. PALEARI, D. DI MARTINO, G. SPINOLO
SnO₂ Nanocrystals in SiO₂: A Wide-Bandgap Quantum-Dot System.
Appl. Phys. Lett. 81 (2002) 1702
- F.N. CHUKHOVSKII, D.V. NOVIKOV, T. HIORT, G. MATERLIK
Electron Charge Density Imaging with X-Ray Holography.
Opt. Commun. 209 (2002) 273
- J. DANGER, P. LEFEVRE, H. MAGNAN, D. CHANDESRI, S. BOURGEOIS, J. JUPILLE, T. EICKHOFF, W. DRUBE
Quadrupolar Character of the Ti K-Edge Prepeaks in TiO₂ by Resonant Auger.
Surf. Rev. Lett. 9 (2002) 949
- Quadrupolar Transitions Evidenced by Resonant Auger Spectroscopy.
Phys. Rev. Lett. 88 (2002) 2430001
- K. DARDENNE, T. SCHÄFER, P. LINDQVIST, M.A. DENECKE, M. PLASCHKE, J. ROTHE, J.I. KIM
Low Temperature XAFS Investigation on the Lutetium Binding Changes during the 2Line-Ferrihydrite Alteration Process.
Zur Veröffentlichung in Environ. Sci. Technol.
- D. DE SALVADOR, A. COATI, E. NAPOLITANI, A.V. DRIGO, M.S. CARROLL, J.C. STURM, J. STANGL, G. BAUER, L. LAZZARINI
Carbon Precipitation and Diffusion in SiGeC Alloys under Silicon Self-Interstitial Injection.
Zur Veröffentlichung in Appl. Phys. A
- O. DEGTYAREVA, V.F. DEGTYAREVA, F. PORSCH, W. HOLZAPFEL
Phase Transitions under High Pressure in Binary Sn Alloys.
J. Phys.: Condens. Matter 14 (2002) 389
- G. DEHLINGER et al.
Si/SiGe Quantum Cascade Structures Emitting in the 10 Micrometer Range.
Mater. Sci. Eng. B89 (2002) 30
- A. DEL CAMPO, A. BELLO, E. PÉREZ, A. MEYER
Thermal Properties of Non-symmetric Bibenzoate Liquid Crystalline Dimers.
Zur Veröffentlichung in Macromol. Chem. Phys.
- R. DINNEBIER, R. IBBERSON, H. EHRENBERG, M. JANSEN
The Crystal Structure of the Binary Mixed Valence Compound Bi^{III}BiVO₇ and Isotypic Bi₃SbO₇ as Seen by High Resolution X-Ray and Neutron Powder Diffraction.
J. Solid State Chem. 163 (2002) 332
- B. DITTRICH et al.
Reproducibility and Transferability of Topological Properties; Experimental Charge Density of the Hexapeptide Cyclo-(D,L-Pro)₂-(L-Ala)₄ Monohydrate.
Acta Crystallogr. B58 (2002) 721
- H. DÖLLEFELD, C. MCGINLEY, S. AL MOUSSALAMI, T. MÖLLER, H. WELLER, A. EYCHMÜLLER
Radiation Induced Damage in X-Ray Spectroscopy of CdS Nanoclusters.
J. Chem. Phys. 117 (2002) 8953
- P. DORENBOS, L. PIERRON, L. DINCA, C.W.E. VAN EIJK, A. KAHN-HARARI, B. VIANA
4f-5d Spectroscopy of Ce³⁺ in CaBPO₅, LiCaPO₄, and Li₂CaSiO₄.
Zur Veröffentlichung in J. Phys.: Condens. Matter
- V. DOTSSENKO, N. EFRYUSHINA, I. BEREZOVSKAYA, A. VOLOSHINOVSKII
Luminescence Properties of Ce³⁺ Ions in Magnesium Fluoroborate Mg₃BO₃F₃.
Mat. Chem. Phys. 77 (2002) 141
- W. DROZDOWSKI, A.J. WOJTIWICZ
Fast 20 ns 5d-4f Luminescence and Radiation Trapping in BaF₂Ce.
Nucl. Instrum. Methods A486 (2002) 412
- W. DRUBE, T.K. SHAM, A.V. SOLDATOV
Fine Structure of Unoccupied Ag D-States near the Fermi Level in Ag and AgPd Studied by High-Resolution Partial Auger Yield Spectroscopy at the Ag L3-Edge.
Zur Veröffentlichung in Phys. Rev. B
- A.C.D. DÜRR, F. SCHREIBER, M. KELSCH, H.D. CARSTANJEN, H. DOSCH, O.H. SEECK
Morphology and Interdiffusion Behavior of Evaporated Metal Films on Crystalline DIP Organic Thin Films.
Zur Veröffentlichung in J. Appl. Phys.
- Morphology and Thermal Stability of Metal Contacts on Crystalline Organic Thin Films.
Adv. Mater. 13-14 (2002) 961
- S.G. EBBINGHAUS, B. RENNER, A. WEIDENKAFF
Struktur, physikalische und elektronische Eigenschaften von Perowskiten des Typs ACu₃B₄O₁₂.
Z. Anorg. Allg. Chemie 628 (2002) 2142
- S.G. EBBINGHAUS, A. WEIDENKAFF, R.J. CAVA
Structural Investigations of ACu₃Ru₄O₁₂ (A = Na, Ca, Sr, La, Nd) – A Comparison between XRD-Rietveld and EXAFS Results.
J. Solid State Chem. 167 (2002) 126

- F. EBERL, S. FOREST, T. WROBLEWSKI, G. CAILLETAUD, J.L. LEBRUN
Finite-Element Calculations of the Lattice Rotation Field of a Tensile-Loaded Nickel-Based Alloy Multicrystal and Comparison with Topographical X-Ray Diffraction Measurements.
Metall. Mater. Trans. A33 (2002) 2825
- H. EHRENBERG, I. DINCER, A. ELMALI, Y. ELERMANN, H. FUESS
Magnetic and Crystal Structure Correlations in $\text{PrMn}_{1.5}\text{Co}_{0.5}\text{Ge}_2$: A Synchrotron Diffraction Study.
Solid State Commun. 124 (2002) 429
- H. EHRENBERG, M. KNAPP, C. BAEHTZ, S. KLEMME
Tetragonal Low-Temperature Phase of MgCr_2O_4 .
Powder Diffraction 17 (2002) 230
- H. EHRENBERG, R. THEISSMANN, Y. GASSENBAUER, M. KNAPP, G. WLTSCHKE, H. WEITZEL, H. FUESS, T. HERRMANNSDOERFER, D. SHEPTYAKOV
Crystal and Magnetic Structure Relationship in $\text{Cu}(\text{W}_{1-x}\text{Mo}_x)\text{O}_4$ Compounds with Wolframite-Type Structure.
J. Phys.: Condens. Matter 14 (2002) 8573
- A. ENGELHARDT, M. FECHTELKORD, U. BISMAYER, J.-C. BUHL
Motional Behaviour and Local Structure of Deuterons in $(\text{ND}_4)_3\text{D}(\text{SO}_4)_2$ Studied by ^2H NMR Spectroscopy.
Zur Veröffentlich. in Eur. J. Mineral.
- C. ERD, A. OWENS, H. ANDERSSON, M. BAVDAZ, N. HAACK, S. NENONEN, A. PEACOCK
High Resolution X-Ray Spectroscopy Using a Large Format GaAs Array.
Nucl. Instrum. Methods A487 (2002) 78
- J. EYMERY, D. BUTTARD, F. FOURNEL, H. MORICEAU, G.T. BAUMBACH, D. LÜBBERT
Dislocation Strain Field in Ultrathin Bonded Silicon Wafers Studied by Grazing Incidence X-Ray Diffraction.
Phys. Rev. B65 (2002) 165337
- T.A. EZQUERRA, I. SICS, A. NOGALES, Z. DENCHEV, F.J. BALTA-CALLEJA
Simultaneous Crystalline-Amorphous Phase Evolution during Crystallization of Polymer Systems.
Eur. Lett. 59 (2002) 417
- B. FAATZ et al.
VUV FEL Driven RF Gun.
Zur Veröffentlich. in Nucl. Instrum. Methods A
- G. FALKENBERG, O. BUNK, R.L. JOHNSON, J.A. RODRIGUEZ, N. TAKEUCHI
Atomic Structure of the Indium-Induced $\text{Ge}(001)(n \times 4)$ Surface Reconstruction Determined by Scanning Tunneling Microscopy and ab initio Calculations.
Phys. Rev. B66 (2002) 035305
- S.S. FANCHENKO, D.V. NOVIKOV, A. SCHLEY, G. MATERLIK
Invalidity of Low-Pass Filtering in Atom-Resolving X-Ray Holography.
Phys. Rev. B66 (2002) 060104(R)
- M.P. FETH, C. BOLM, J.P. HILDEBRAND, M. KÖHLER, O. BECKMANN, M. BAUER, R. RAMAMONJISOA, H. BERTAGNOLLI
Structural Investigation of High Valent Salen Manganese Complexes by UV/Vis-, Raman-, XANES- and EXAFS-Spectroscopy.
Zur Veröffentlich. in Chem. Eur. J.
- M.P. FETH, G. KICKELBICK, H. BERTAGNOLLI, B. MORARU, G. TRIMMEL, U. SCHUBERT
EXAFS Investigation on Nanocomposites Composed of Surface-Modified Zirconium-, and Zirconium/Titanium Metal Oxo Clusters and Organic Polymers.
Monatshefte f. Chemie 133 (2002) 919
- M.P. FETH, G. KICKELBICK, H. BERTAGNOLLI, M. PUCHBERGER, D. HOLZINGER, S. GROSS
Formation of Organically Surface-Modified Metal Oxo Clusters from Carboxylic Acids – A Mechanistic Study.
J. Chem. Soc. Dalton Trans. (2002) 3892
- M.P. FETH, A. KLEIN, H. BERTAGNOLLI
Investigation of the Ligand Exchange Behavior of Square Planar Nickel(II) Complexes by X-Ray Absorption Spectroscopy and X-Ray Diffraction.
Zur Veröffentlich. in Eur. J. Inorg. Chem.
- M.P. FETH, A. KLEIN, A. DOGAN, H. BERTAGNOLLI
Cyclooctadienemethylpalladium Complexes: Synthesis, Structures and Reactivity.
Zur Veröffentlich. in Inorg. Chimica Acta
- M.P. FETH, A. WEBER, R. MERKLE, U. REINÖHL, H. BERTAGNOLLI
EXAFS- and X-Ray Diffraction-Studies on Sol-Gel Prepared Zirconium Titanium Oxides.
J. Non-Cryst. Solids 298/1 (2002) 43
- Investigation of the Crystallisation Behaviour of Lead Titanate (PT), Lead Zirconate (PZ) and Lead Zirconate Titanate (PZT) by EXAFS-Spectroscopy and X-Ray Diffraction.
Zur Veröffentlich. in J. Sol-Gel Sci. Technol.
- P. FEULNER, M. ECKER, R. ROMBERG, R. WEIMAR, A. FÖHLISCH
Core-Excitation-Induced Bond Breaking of Chemisorbed Molecules Probed by Emission of Ions, Neutrals, and Electrons.
Surf. Rev. Lett. 9 (2002) 759
- R. FLAIG, T. KORITSANSZKY, B. DITTRICH, A. WAGNER, P. LUGER
Intra- and Intermolecular Topological Properties of Amino Acids – A Comparative Study of Experimental and Theoretical Results.
J. Am. Chem. Soc. 124 (2002) 3407
- J.I. FLEGE, T. SCHMIDT, J. FALTA, G. MATERLIK
Origin of X-Ray Photon Stimulated Desorption of Cl^+ and Cl^{2+} Ions from $\text{Cl}/\text{Si}(111)-(1 \times 1)$.
Surf. Sci. 507-510 (2002) 381

- H. FRANZ, T. ASTHALTER, M. DOMMACH, A. EHNES, K. MESSEL, I. SERGUEEV
Investigations of Solid State Dynamics at the NRSSR Beamline at PETRA II. An Overview.
Hyperfine Interact. 141/142 (2002) 131
- K. FRIESE, M.I. AROYO, L. SCHWALOWSKY, G. ADIWID-JAJA, U. BISMAYER
The Disordered High Temperature Structure of $(\text{NH}_4)_3\text{H}(\text{SO}_4)_2$ and its Relationship to the Room Temperature Phase.
J. Solid State Chem. 165 (2002) 136
- P. FRIEDEL, A. JOHN, R.R. NETZ, D. POSPIECH, D. JEHNICHEN
Modeling of the Phase Behavior of Semiflexible Diblock Copolymers.
Macromol. Theory Simulat. 11 (2002) 785
- S.S. FUNARI
Small Angle X-Rays Scattering Studies of Biomolecules.
Acta Phys. Pol. A101 (2002) 647
- S.S. FUNARI, F. BARCELO, P. ESCRIBA
Effects of Oleic Acid and its Congeners, Elaidic and Stearic Acids, on the Structural Properties of Phosphoethanolamine Membranes.
Zur Veröffentlich. in *J. Lipid Res.*
- L.N. GAIER, C.H. KEITEL
Relativistic Classical Monte Carlo Simulations of Stabilization of Hydrogen-like Ions in Intense Laser Pulses.
Phys. Rev. A65 (2002) 023406
- M.C. GARCIA GUTIERREZ, D. RUEDA, F.J. BALTA CALLEJA
Crystallization Study of Glassy PET/PEN Blends by Means of Real Time X-Ray Scattering.
Int. J. Polym. Mater. 50 (2002) 345
- J. GECK, D. BRUNS, C. HESS, R. KLINGELER, P. REUTLER, M. VON ZIMMERMANN, S.-W. CHEONG, B. BÜCHNER
Anisotropic CE-Type Orbital Correlations in the Ferromagnetic Metallic Phase of $\text{Nd}_{1/2}\text{Sr}_{1/2}\text{MnO}_3$.
Phys. Rev. B66 (2002) 184407
- J. GEISLER, E. GOERING, M. JUSTEN, F. WEIGAND, G. SCHÜTZ, J. LANGER, D. SCHMITZ, H. MALETTA, R. MATTHEIS
Pt Magnetization Profile in a Pt/Co Bilayer Studied by Resonant Magnetic X-Ray Reflectometry.
Phys. Rev. B65 (2002) 020405
- M. GERKEN, H.-C. WILLE, E. GERDAU, YU.V. SHVYD'KO, H. FRANZ, H.D. RÜTER
Nuclear Resonant Scattering of Synchrotron Radiation from ^{61}Ni at 67.4 keV.
Zur Veröffentlich. in *Hyperfine Interact.*
- T. GEUE, O. HENNEBERG, J. GRENZER, U. PIETSCH, A. NATANSOHN, P. ROCHON, K.D. FINKELSTEIN
Formation of a Buried Density Grating on Thermal Erasure of Azobenzene Polymer Surface Gratings.
Colloids Surf. A31 (2002) 198
- T. GEUE, O. HENNEBERG, U. PIETSCH
X-Ray Reflectivity from Sinusoidal Surface Relief Gratings.
Crystal Research & Technology 37 (2002) 770
- T. GEUE, M. SAPHIANNIKOVA, O. HENNEBERG, U. PIETSCH, P. ROCHON, A. NATANSOHN
Formation Mechanism and Dynamics in Polymer Surface Gratings.
Phys. Rev. E 65 (2002) 052801
- S. GEUPEL, K. PILZ, S. VAN SMAALEN, F. BÜLLESFELD, A. PORKOFIEV, W. ASSMUS
Synchrotron Radiation Study of the Two-Leg Spin Ladder $(\text{VO})_2\text{P}_2\text{O}_7$ at 120 K.
Acta Crystallogr. C58 (2002) 9
- P. GIERLOWSKI, E. DYNOWSKA, A. ABAL'OSHEV, J.B. PELKA, W. PASZKOWICZ, D. KOSTRZENSKA, C. BÄHTZ, M. KNAPP
Structure of Laser-Modified $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ Thin Films.
Zur Veröffentlich. in *J. Alloys Compd.*
- H. GIES, S. GRABOWSKI, M. BANDYOPADHYAY, W. GRÜNERT, O.P. TKACHENKO, K.V. KLEMENTIEV, A. BIRKNER
Synthesis and Characterization of Silica MCM-48 as Carrier of Size Confined Nanocrystalline Metal Oxides Particles inside the Pore System.
Zur Veröffentlich. in *Microporous & Mesoporous Mat.*
- A. GORBUNOV, A.A. LEVIN, A. MENSCH, D.C. MEYER, A. TSELEV, P. PAUFLER, W. POMPE, D. ECKERT
Formation of Unusual Intermetallic Phases by Vacuum PLD.
Appl. Surf. Sci. 197-198 (2002) 475
- L. GOTTSCHALCK ANDERSEN, H.F. POULSEN, A. ABRAHAMSEN, B.A. JACOBSEN, T. TSCHENTSCHER
Microstructural Dynamics of Bi-2223/Ag Tapes Annealed in 8% O_2 .
Supercond. Sci. Technol. 15 (2002) 190
- A. GOTTWALD, D. POSPIECH, D. JEHNICHEN, L. HÄUSSLER, P. FRIEDEL, J. PIONTECK, M. STAMM, G. FLOUDAS
Self-Assembly and Viscoelastic Properties of Semifluorinated Polyesters.
Macromol. Chem. Phys. 203 (2002) 854
- W. GRAEFF
Short X-Ray Pulses in a Laue-Case Crystal.
J. Synchrotron Rad. 9 (2002) 82
- Time Dependence of the Polarization of Short X-Ray Pulses after Crystal Reflection.
J. Synchrotron Rad. 9 (2002) 293
- K. GRAF, H. BALTES, H. AHRENS, C.A. HELM, C.A. HUSTED
Structure of Hydroxylated Galactocerebrosides from Myelin at the Air/Water Interface.
Biophys. J. 82 (2002) 896
- P.J. GRIFFITHS, M.A. BAGNI, G. CECCHI, B. COLOMBINI, S. BERNSTORFF, C.C. ASHLEY
Changes in Force and Myosin Head Orientation Induced by Temperature Increase in Frog Muscle Fibres.
Biophys. J. 82 (2002) 1795

- P.J. GRIFFITHS, G. CECCHI, M.A. BAGNI, B. COLOMBINI, C.C. ASHLEY, H. AMENITSCH, S. BERNSTORFF
A Novel Method to Determine Myosin Lever Arm Disposition during Force Development.
Zur Veröffentlich. in *J. Mol. Biology*
- J. GROCHOWSKI, P. SERDA, M. PASENKIEWICZ-GIERULA, R. CZARNECKI, T. LIBROWSKI, S. LOCHYNSKI, B. FRACKOWIAK
Structural Characterization of Carane Derivative Stereoisomers – Potent Local Anesthetics.
Acta Phys. Pol. A101 (2002) 665
- J.-D. GRUNWALDT, C. BECK, W. STARK, A. HAGEN, A. BAIKER
In Situ XANES Study on TiO₂-SiO₂ Aerogels and Flame-Made Materials.
Phys. Chem. Chem. Phys. 4 (2002) 3514
- J.-D. GRUNWALDT, B.S. CLAUSEN
Combining XRD and EXAFS with Online Catalytic Studies for in situ Characterization of Catalysts.
Topics in Catalysis 18 (2002) 37
- J.-D. GRUNWALDT, P. KAPPEN, L. BASINI, B.S. CLAUSEN
Iridium Clusters for Catalytic Partial Oxidation of Methane – An in situ Transmission and Fluorescence XAFS Study.
Catal. Lett. 78 (2002) 13
- J.-D. GRUNWALDT, C. KERESSZEGI, T. MALLAT, A. BAIKER
In situ EXAFS Study of Pd/Alumina during Aerobic Oxidation of Cinnamyl Alcohol in an Organic Solvent.
Zur Veröffentlich. in *J. Catalysis*
- J.-D. GRUNWALDT, M. MACIEJEWSKI, A. BAIKER
In Situ X-Ray Absorption Spectroscopy Study during Methane Combustion over Pd/ZrO₂ Catalysts.
Zur Veröffentlich. in *Phys. Chem. Chem. Phys.*
- D. GRÜTZMACHER et al.
Strain Compensated Si/Si_{0.2}Ge_{0.8} Quantum Cascade Structures Grown by Low Temperature Molecular Beam Epitaxy.
Zur Veröffentlich. in *J. Cryst. Growth*
- N.V. GUERASSIMOVA et al.
Charge-Transfer Luminescence and Spectroscopic Properties of Y³⁺ in Aluminium and Gallium Garnets.
Nucl. Instrum. Methods A486 (2002) 278
- Fast Luminescence of HfO₂-Yb₂O₃ and ZrO₂-Yb₂O₃ Solid Solutions.
Nucl. Instrum. Methods A486 (2002) 234
- B. GUILLEAUME, J. BLAUL, M. BALLAUFF, M. WITTMANN, M. REHAHN, G. GOERIGK
The Distribution of Counterions around Synthetic Rod-like Polyelectrolytes in Solution.
Eur. Phys. J. E8 (2002) 299
- E. GUZIEWICZ, B.A. ORLOWSKI, B.J. KOWALSKI, I. GRZEGORY, S. POROWSKI
Photoemission Study of Samarium on GaN(0001) and CdTe(100).
Appl. Surf. Sci. 190 (2002) 356
- A. HAGEN, K. SCHUELER, F. ROESSNER
The Performance of Ti-MCM-41 in Aqueous Media and after Mechanical Treatment Studies by in situ XANES, UV/VIS and Test Reactions.
Microporous & Mesoporous Mat. 51 (2002) 23
- B. HASSE, J.C. MARXEN, W. BECKER, H. EHRENBERG, M. EPPLE
A Crystallographic Study of the Love Dart (gypsobelum) of the Land Snail *Helix Pomatia* (L.).
J. Molluscan Stud. 68 (2002) 249
- B. HASSE, T. WROBLEWSKI
Method for Position Sensitive X-Ray Absorption Spectroscopy.
Acta Cryst. A58 (2002)
- K.Z. HATSAGORTSYA, C.H. KEITEL
Phase-Matched High Harmonic Generation from Laser-Driven Crystals.
J. Phys. B: At. Mol. Opt. Phys. 35 (2002) L175
- F. HEINRICH, C. SCHMIDT, E. LÖFFLER, W. GRÜNERT
A Highly Active Intra-Zeolite Iron Site for the Selective Catalytic Reduction of NO by Isobutane.
Catal. Comm. 2 (2002) 317
- F. HEINRICH, C. SCHMIDT, E. LÖFFLER, M. MENZEL, W. GRÜNERT
Fe-ZSM-5 Catalysts for the Selective Reduction of NO by Isobutane – The Problem of the Active Sites.
Zur Veröffentlich. in *J. Catalysis*
- O. HENNEBERG, T. GEUE, M. SAPHIANNIKOVA, A. NATANSOHN, P. ROCHON, K.D. FINKELSTEIN
Investigation of Material Flow on Inscripting a Polymer Surface Grating Probing X-Ray and Visible Light.
Colloids Surf. A107 (2002) 198
- V. HENSEL, A. GODT, R. POPOVITZ-BIRO, H. COHEN, T.R. JENSEN, K. KJAER, I. WEISSBUCH, E. LIFSHITZ, M. LAHAV
Hybrid Composites of Monodisperse P-Conjugated Rodlike Organic Compounds and Semiconductor Quantum Particles.
Chem. Eur. J. 8 (2002) 1413
- U. HERGENHAHN, A. KOLMAKOV, M. RIEDLER, A.R.B. DE CASTRO, O. LÖFKEN, T. MÖLLER
Observation of Excitonic Satellites in the Photoelectron Spectra of Ne and Ar Clusters.
Chem. Phys. Lett. 351 (2002) 235
- C. HERTA, H. WINKLER, R. BENDA, A.X. TRAUTWEIN, M. HAAS
Dynamic Structural Disorder of the FeO₂ Moiety in Oxymyoglobin Studied by Nuclear Resonant Forward Scattering of Synchrotron Radiation.
Eur. Biophys. J. 31 (2002) 478
- A. HESSE, J. STANGL, V. HOLY, G. BAUER, O. KIRFEL, E. MÜLLER, D. GRÜTZMACHER
Influence of Capping on Strain, Composition and Shape of SiGe Islands.
Zur Veröffentlich. in *Mat. Sci. Eng.*

- A. HESSE, J. STANGL, V. HOLY, T. ROCH, G. BAUER, O.G. SCHMIDT, U. DENKER, B. STRUTH
Effect of Overgrowth on Shape, Composition, and Strain of SiGe Islands in Si 001.
Phys. Rev. B66 (2002) 085321
- A. HESSE, Y. ZHUANG, V. HOLY, J. STANGL, S. ZERLAUTH, F. SCHÄFFLER, G. BAUER, N. DAROWSKI, U. PIETSCH
X-Ray Grazing Incidence Study in Inhomogeneous Strain Relaxation in Si/SiGe Wires.
Zur Veröffentl. in Nucl. Instrum. Methods B
- F.U. HILLEBRECHT et al.
High Efficiency Spin Polarimetry by Very Low Energy Electron Scattering from Fe(100) for Spin Resolved Photoemission.
Rev. Sci. Instrum. 73 (2002) 1229
- S. HLAWATSCH, C.-D. GARBE-SCHÖNBERG, F. LECHTENBERG, A. MANCEAU, N. TAMURA, D.A. KULIK, M. KERS-TEN
Trace Metal Fluxes to Ferromanganese Nodules from the Western Baltic Sea as a Record for Long-Term Environmental Changes.
Chem. Geol. 182 (2002) 697
- K. HOFMANN, B. ALBERT
Near-Edge Fine Structures in Electron Energy Loss Spectra, or: Are CaB_2C_2 and LaB_2C_2 Isotypic?
Chem. Phys. Chem. 2 (2002) 896
- K. HOFMANN, R. GRUEHN, B. ALBERT
Probing for Structural Features of Boron-Rich Solids with EELS.
Z. Anorg. Allg. Chemie 628 (2002) 2691
- F. HOHN, I. PANTENBURG, U. RUSCHEWITZ
 SrC_2COO_2 : The First Anhydrous Salt of Acetylenedicarboxylic Acid.
Chem. Eur. J. 8 (2002) 4536
- W.B. HOLZAPFEL
Equations of State for Regular Solids.
High Press. Res. 22 (2002) 209
- Perspectives in Crystallography with Extreme Conditions of Pressure and Temperature.
Z. Kristallogr. 217 (2002) 317
- Refinement of the Ruby Luminescence Pressure Scale.
Zur Veröffentl. in J. Appl. Phys.
- U. HOPPE, R. KRANOLD, J.M. LEWIS, C.P. O'BRIEN, H. FELLER, S. FELLER, J. NEUEFEIND, A.C. HANNON
Structure of Binary Alkaline Earth Vanadate Glasses – An X-Ray and Neutron Diffraction Study.
Zur Veröffentl. in Phys. Chem. Glasses
- U. HOPPE, R. KRANOLD, A. GHOSH, J. NEUEFEIND, D.T. BOWRON
X-Ray and Neutron Scattering Studies of the Structure of Strontium Vanadate Glasses.
Zur Veröffentl. in Phys. Chem. Glasses
- U. HOPPE, D. LLIEVA, J. NEUEFEIND
The Structure of Gallium Phosphate Glasses by High-Energy X-Ray Diffraction.
Z. Naturforsch. A57 (2002) 709
- U. HOPPE, E. METWALLI, R.K. BROW, J. NEUEFEIND
High-Energy X-Ray Diffraction Study of La-Coordination in Lanthanum Phosphate Glasses.
J. Non-Cryst. Solids 297 (2002) 263
- U. HOPPE, G. WALTER, D. LLIEVA, G. CARL, J. VOGEL, J. NEUEFEIND, A.C. HANNON
Metal-Oxygen Coordination Numbers in Binary Polyphosphate Glasses – A Diffraction Study.
Phosphorus Research Bulletin 13 (2002) 131
- U. HOPPE, E. YOUSEF, C. RÜSSEL, J. NEUEFEIND, A.C. HANNON
Structure of Vanadium Tellurite Glasses by High-Energy X-Ray Diffraction.
Solid State Commun. 123 (2002) 273
- Z. HU, M.S. GOLDEN, S.G. EBBINGHAUS, M. KNUPFER, J. FINK, F.M.F. DE GROOT, G. KAINDL
The Distribution of the Doped Holes in $\text{La}_{2-x}\text{Sr}_x\text{Cu}_{1-y}\text{Ru}_y\text{O}_{4-\delta}$.
Chem. Phys. 282 (2002) 451
- L. HUA, J.C. GRIVEL, L. GOTTSCHALCK ANDERSEN, T. TSCHENTSCHER, W.G. WANG, J. BINDSLEV HANSEN
Preparation of (Bi, Pb)-2223/Ag Tapes by High Temperature Sintering and Post-Annealing Process.
Physica C372-376 (2002) 608
- H. HÜNNEFELD, T. NIEMÖLLER, J.R. SCHNEIDER, U. RÜTT, S. RODEWALD, J. FLEIG, G. SHIRANE
Influence of Defects on the Critical Behavior at the 105 K Structural Phase Transition of SrTiO_3 : On the Origin of the Two Length Scale Critical Fluctuations.
Phys. Rev. B66 (2002) 014113
- D. HUPFELD, O.H. SEECK, J. VOIGT, J. BOS, K. FISCHER, T. BRÜCKEL
X-Ray Resonance Exchange Scattering from Ferromagnetics: A New Approach and First Application to EuS.
Europhys. Lett. 59 (2002) 284
- P. IMPERIA, M.B. CASU, B. SCHULZ, S. SCHRADER
Analysis of Detrapping Processes of Aromatic 1,3,4-Oxadiazoles with Thermally Stimulated Luminescence.
Zur Veröffentl. in Synth. Met.
- S.H. IRSEN, P. KROLL, R. DRONSKOWSKI, T.E. WEIRICH, M. EPPLE
Chemical Reactivity of Tetrasulfur Tetranitride: Synthesis, Physical Properties, and Structural Characterization of the Amorphous Phase $\text{Cu}_7\text{S}_4\text{N}_4$.
Zur Veröffentl. in Z. Anorg. Allg. Chemie
- V.YU. IVANOV, V.A. PUSTOVAROV, A.V. KOROTAEV, A.V. KRUZHALOV, M. KIRM, G. ZIMMERER
Anisotropy of Exciton Relaxation in BeO Crystals.
Surf. Rev. Lett. 9 (2002) 1291
- R.J. IWANOWSKI
Tetrahedral Covalent Radius of Mn in $\text{A}_{1-x}^{\text{II}}\text{Mn}_x\text{B}^{\text{VI}}$ and $\text{A}_{1-x}^{\text{III}}\text{Mn}_x\text{B}^{\text{V}}$ Compounds.
Chem. Phys. Lett. 359 (2002) 516
Suppl. to Chem. Phys. Lett. 350 (2001) 577

- J.M. JACOBSEN, G.K.H. MADSEN, J.-E. JORGENSEN, J.S. OLSEN, L. GERWARD
High-Pressure Behavior of TbN.
Solid State Commun. 121 (2002) 447
- C. JANOWITZ, R. MÜLLER, L. DUDY, R.-S. UNGER, A. KRAPF, R. MANZKE, C. AST, H. HÖCHST
Progress in the Understanding of the Ground State of the Cuprates.
Zur Veröffentlich. in Appl. Phys. A
- D. JEHNICHEN, D. POSPIECH, L. HÄUSSLER, P. FRIEDEL, A. GOTTWALD, S. KUMMER
Self-Organization in Semifluorinated Polymers.
Zur Veröffentlich. in Mater. Sci. Forum
- M.O. JENSEN, T.R. JENSEN, K. KJAER, T. BJÖRNHOLM, O.G. MOURITSEN, G.H. PETERS
Orientation and Conformation of a Lipase at an Interface Studied by Molecular Dynamics Simulations.
Biophys. J. 83 (2002) 98
- T.R. JENSEN, K. KJAER
Structural Properties and Interactions of Thin Films at the Air-Liquid Interface Explored by Synchrotron X-Ray Scattering.
In: Novel Methods to Study Interfacial Layers, Studies in Interface Science, D. Möbius, R. Miller (Eds.), Elsevier Amsterdam/NL, 11 (2002) 205
- J.Z. JIANG
Comment on „Unusual Transition Phenomenon in Zr-Based Bulk Metallic Glass upon Heating at High Pressure“.
Appl. Phys. Lett. 81 (2002)
(Appl. Phys. Lett. 80 (2002) 3087)
- Phase Transformation in Nanocrystals under Pressure.
Diffus. Defects Data 208-209 (2002) 175
- J.Z. JIANG, L. GERWARD, J.S. OLSEN
Comment on „Reversible Phase Transition between Amorphous and Crystalline in ZrTiCuNiBe under High Pressure at Room Temperature“.
Appl. Phys. Lett. 80 (2002) 3015
(Appl. Phys. Lett. 76 (2000) 2874)
- J.Z. JIANG, L. GERWARD, Y.S. XU
Pressure Effect on Crystallization Kinetics in ZrTiCuNiBe Bulk Metallic Glass.
Appl. Phys. Lett. 81 (2002) 4347
- Comment on „Pressure-Induced Amorphization in ZrTiCuNiBe Bulk Glass-Forming Alloy“.
Appl. Phys. Lett. 80 (2002) 700
(Appl. Phys. Lett. 79 (2001) 1106)
- J.Z. JIANG et al.
Compressibility and Thermal Expansion of Cubic Silicon Nitride.
Phys. Rev. B65 (2002) 161202
- J.Z. JIANG, J.S. OLSEN, L. GERWARD
High-Pressure Behavior of Nano Titanium Dioxide.
High Press. Res. 22 (2002) 385
- J.Z. JIANG, J.S. OLSEN, L. GERWARD, S. STEENSTRUP
X-Ray Diffraction Study on Pressure-Induced Phase Transformation in Nanocrystalline GaAs.
High Press. Res. 22 (2002) 395
- J.Z. JIANG, A.R. RASMUSSEN, C.H. JENSEN, Y.LIN, P.L. HANSEN
Change of Quasilattice Constant during Amorphous-to-Quasicrystalline Phase Transformation in $Zr_{65}Al_{7.5}Ni_{10}Cu_{7.5}Ag_{10}$ Metallic Glass.
Appl. Phys. Lett. 80 (2002) 2090
- J.Z. JIANG, K. SAKSL, N. NISHIYAMA, A. INOUE
Crystallization in $Pd_4ONi_{40}P_{20}$ Glass.
J. Appl. Phys. 92 (2002) 3651
- J.Z. JIANG, K. SAKSL, J. SAIDA, A. INOUE, H. FRANZ, K. MESSEL, C. LATHE
Evidence of Polymorphous Amorphous-to-Quasicrystalline Phase Transformation in $Zr_{66.7}Pd_{33.3}$.
Appl. Phys. Lett. 80 (2002) 781
- J.Z. JIANG P.F. XING, Y.X. ZHUANG, W.H. WANG, L. GERWARD
Glass Transition, Crystallization Kinetics and Pressure Effect on Crystallization of ZrNbCuNiBe Bulk Metallic Glass.
J. Appl. Phys. 92 (2002) 3651
- A. JIANU, L. STANCIU, J.R. GROZA, C. LATHE, E. BURKEL
In situ Analysis of Phase Transformation in Sol-Gel Cogelified Nanopowder Mixture of Al_2O_3 and TiO_2 Using Synchrotron X-Ray Radiation Diffraction Experiments .
Zur Veröffentlich. in Nucl. Instrum. Methods B
- A. JOBST, S. VAN SMAALEN
Intersubsystem Chemical Bonds in the Misfit Layer Compounds $(LaS)_{1.13}TaS_2$ and $(LaS)_{1.14}NbS_2$.
Acta Crystallogr. B58 (2002) 179
- L.I. JOHANSSON, C. VIROJANADARA, T. EICKHOFF, W. DRUBE
Properties of the SiO_2/SiC Interface Investigated by Angle Resolved Studies of the $Si2p$ and $Si1s$ Photoemission and the Si KLL Auger Transitions.
Zur Veröffentlich. in Surf. Sci.
- K. JOKELA, R. SERIMAA, M. TORKKELI, V. ETELÄNIEMI, K. EKMAN.
He Structure of the Grafted Polyethylene Based Palladium Catalysts: WAXS and ASAXS Study.
Chem. Mat. 14 (2002) 5069
- I. KAMENSKIKH, V. MIKHAILIN, D. SPASSKY, S. BATYGOV, L. DMITRUK, L. MOISEEVA, N. VINOGRADOVA, M. KIRM, G. ZIMMERER
Luminescence of Fluorohafnate Glasses.
Nucl. Instrum. Methods A486 (2002) 288
- A. KANAEV, L. MUSEUR, F. EDERY, T. LAARMAN, T. MÖLLER
Photoexcitation of Rare-Gas Neon and Argon Clusters Doped with H_2O .
Eur. Phys. J. D20 (2002) 261

- A. KANAIEV, L. MUSEUR, T. LAARMAN, T. MÖLLER
Cage Effect for the Photodissociation of H₂O Molecule in Neon-Argon Clusters.
J. Chem. Phys. 117 (2002) 9423
- P. KAPPEN, N. HAACK, K. KLEMENTEV, N. NISHINO, G. MATERLIK
Application of Photon Interference X-Ray Absorption Fine Structure (pXAFS) to Amorphous Systems.
Zur Veröffentlich. in Phys. Chem. Glass
- C. KAPFENBERGER, K. HOFMANN, B. ALBERT
Low-Temperature Synthesis of Metal Borides.
Solid State Sci. 628 (2002) 2691
- P. KAPPEN, L. TRÖGER, H. ZINK, G. MATERLIK, C. RECKLEBEN, K. HANSEN, J.-D. GRUNDWALDT, B.S. CLAUSEN
Silicon Drift Detectors as a Tool for Time Resolved Fluorescence XAFS on Low Concentrated Samples in Catalysis.
J. Synchrotron Rad. 9 (2002) 246
- C.H. KEITEL, S.X. HU
Coherent X-Ray Pulse Generation in the Sub-Ångström Regime.
Appl. Phys. Lett. 80 (2002) 541
- U. KESSLER, K. FRIESE, C. PAULMANN, M. JANSEN
The Commensurately Modulated Structure of K₂TeOF₄.
Zur Veröffentlich. in Solid State Sciences
- Z. KIFLIE, S. PICCAROLO, V. BRUCATO, F.J. BALTA-CALLEJA
Role of Thermal History and Quiescent Cold Crystallization of PET.
Polymer 43 (2002) 4487
- R. KINGSFORD-ADABOH, B. DITTRICH, A. WAGNER, M. MESSERSCHMIDT, R. FLAIG, P. LUGER
Topological Analysis of DL-Arginine Monohydrate at 100 K.
Z. Kristallogr. 217 (2002) 168
- L. KIPP
Bond and Fermi Surfaces Studied by Photoelectron Spectroscopy.
J. Appl. Phys. A75 (2002) 59
- A. KIRFEL, J. GRYBOS, V.E. DMITRIENKO
Phonon-Electron Interaction and Vibration Correlations in Germanium with a Broad Temperature Interval.
Phys. Rev. B66 (2002) 7
- N.YU. KIRIKOVA, M. KIRM, J.C. KRUPA, V.N. MAKHOV, G. ZIMMERER, J.Y. GESLAND
6d5f Configuration of U⁴⁺ Doped into LiYF₄ Crystal.
J. Lumin. 97 (2002) 174
- M. KIRM, V. KISAND, E. SOMBROWSKI, B. STEEG, S. VIELHAUER, G. ZIMMERER
Prompt and Delayed Secondary Excitons in Rare-Gas Solids.
Zur Veröffentlich. in J. Low Temp. Phys.
- M. KIRM, A. LUSHCHIK, C. LUSHCHIK, S. VIELHAUER, G. ZIMMERER
Luminescence of Pure and Doped Al₂O₃ and MgO Single Crystals under Inner-Shell Excitation.
Zur Veröffentlich. in J. Lumin.
- M. KIRM, A. LUSHCHIK, C. LUSHCHIK, V. MAKHOV, E. NEGODIN, S. VIELHAUER, G. ZIMMERER
VUV Luminescence of BaF₂, BaF₂:Nd and BaY₂F₈ Crystals under Inner-Shell Excitation.
*Nucl. Instrum. Methods A*486 (2002) 422
- M. KIRM, S. VIELHAUER, G. ZIMMERER, A. LUSHCHIK, C. LUSHCHIK
Cation and Anion Electronic Excitations in MgO and BaF₂ Crystals under Excitation by Photons up to 75 eV.
Surf. Rev. Lett. 9 (2002) 1363
- V. KISAND, M. KIRM, S. VIELHAUER, G. ZIMMERER
An Analysis of Electron-Hole Recombination in Solid Krypton Using Time-Resolved VUV-Luminescence Spectroscopy.
Surf. Rev. Lett. 9 (2002) 783
- Vacuum Ultraviolet Spectroscopy of Excitons in Solid Krypton.
J. Phys.: Condens. Matter 14 (2002) 5529
- D. KLINGER, M. LEFELD-SOSNOWSKA, J.B. PELKA, W. PASZKOWICZ, P. GIERLOWSKI, P. PANKOWSKI
Study of Si-Implanted and Thermally Annealed Layers of Silicon by Using X-Ray Grazing Incidence Methods.
Acta Phys. Pol. A101 (2002) 795
- R. KLINGNER, J. SELL, T. ZIMMERMANN, A. HERZOG, U. VOGT, T. GRAULE, P. THURNER, F. BECKMANN, B. MÜLLER
Wood-Derived Porous Ceramics via Infiltration of SiO₂-Sol and Carbothermal Reduction.
Zur Veröffentlich. in J. Holzforschung
- A. KLUST, M. BIERKANDT, J. WOLLSCHLÄGER, B.H. MÜLLER, T. SCHMIDT, J. FALTA
Low Temperature Interface Structure of CaF₂/Si(111) Studied by Combining X-Ray Standing Waves with Component Resolved Photoemission.
Phys. Rev. B65 (2002) 1934041
- N. KOCH, J. GHIJSEN, A. ELSCHNER, R.L. JOHNSON, J.-J. PIREAUX, J. SCHWARTZ, A. KAHN
Conjugated Organic Molecules on Metal vs. Polymer Electrodes: Demonstration of a Key Energy Level Alignment Mechanism.
Zur Veröffentlich. in Appl. Phys. Lett.
- Energy Level Alignment between Electroactive Conjugated Organic Molecules and High Work Function Electrodes.
Zur Veröffentlich. in Appl. Phys. Lett.
- N. KOCH, G. GHIJSEN, R.L. JOHNSON, J. SCHWARTZ, J.-J. PIREAUX, A. KAHN
Physisorption-like Interaction at the Interfaces Formed by Pentacene and Samarium.
J. Phys. Chem. B106 (2002) 4192
- N. KOCH, A. RAJAGOPAL, G. LEISING, J.-J. PIREAUX
Organic-Metal Interfaces: From Physisorption to Covalent Bonding.
In: Conjugated Polymer and Molecular Interfaces: Science and Technology for Photonic and Optoelectronic Applications, W.R. Salaneck et al. (Eds.), Marcel Dekker, New York/USA (2002) 205

- A. KODRE, I. ARCON, J. PADEZNIK GOMILSEK, R. PRESE-
REN, R. FRAHM
Multielectron Excitations in X-Ray Absorption Spectra of Rb and
Kr.
J. Phys. Chem. B35 (2002) 3497
- S. KÖNIG, M. SPINKA, E. FIEDLER, G. WILLE, J. BRAUER,
M.H.J. KOCH, D.I. SVERGUN
Ligand-Induced Conformational Changes in Thiamine Diphos-
phate-Dependent Enzymes. Comparison between Crystal and So-
lution Structures.
In: Thiamine: Catalytic Mechanisms and Role in Normal and Di-
sease States, F. Jordan, M.S. Patel (Eds.), Marcel Dekker, New
York/USA (2002)
- J. KOEPKE, G. FALKENBERG, K. RICKERS, O. DIEDRICH
Applications of Synchrotron X-Ray Fluorescence Microanalysis
(μ -SRXRF) in Experimental Geochemistry.
Zur Veröffentlich. in Eur. J. Mineral.
- V.N. KOLOBANOV, I.A. KAMENSKIKH, V.V. MIKHAILIN,
I.N. SHPINKOV, D.A. SPASSKY, A.N. VASIL'EV, B.I. ZADNE-
PROVSKY, L.I. POTKIN, G. ZIMMERER
Polarization Properties of Synchrotron Radiation in the Study of
Anisotropic Insulating Crystals.
Surf. Rev. Lett. 9 (2002) 469
- V.N. KOLOBANOV, I.A. KAMENSKIKH, V.V. MIKHAILIN,
I.N. SHPINKOV, D.A. SPASSKY, B.I. ZADNEPROVSKY, L.I.
POTKIN, G. ZIMMERER
Optical and Luminescence Properties of Anisotropic Tungstate
Crystals.
Nucl. Instrum. Methods A486 (2002) 496
- D.C. KONINGSBERGER, M.K. OUDENHUIJZEN, P.J. KOOY-
MAN, B.TAPPEL, J.A. VAN BOKHOVEN
Understanding the Influence of Variations in the Pretreatment
Procedure on the Particle Size and Particle Size Distribution for
Pt/SiO₂.
J. Catalysis 205 (2002) 135
- D.C. KONINGSBERGER, M.K. OUDENHUIJZEN, J.A. VAN
BOKHOVEN, D.E. RAMAKER
In-situ X-Ray Absorption Spectroscopy as a Unique Tool for
Obtaining Information on Hydrogen Binding Site and Electronic
Structure of Supported Pt Catalysts: Towards an Understanding
of the Compensation Relation in Alkane Hydrogenolysis.
Zur Veröffentlich. in J. Catalysis
- D.C. KONINGSBERGER, T.G. ROS, A.J. VAN DILLEN, J.W.
GEUS
Modification of Carbon Nanofibres for Immobilisation of Metal
Complexes. A Case Study with Rhodium-Antranilic Acid.
Chem. Eur. J. 13 (2002) 2868
- A.V. KOROTAEV, V.YU. IVANOV, V.A. PUSTAVAROV, A.V.
KRUSHALOV, B.V. SHULGIN
Time-Resolved Spectroscopy of Complex Scintillators Al₂BeO₄,
Be₂SiO₄ and Al₂Be₃O₁₈.
Nucl. Instrum. Methods A486 (2002) 417
- V. KOTESKI, N. IVANOVIC, H. HAAS, E. HOLUB-KRAPPE,
H.-E. MAHNKE
Lattice Relaxation around Impurity Atoms in Semiconductors –
Arsenic in Si – A Comparison between Experiment and Theory.
Zur Veröffentlich. in Nucl. Instrum. Methods B
- V. KOTESKI, B. REINHOLD, H. HAAS, E. HOLUB-KRAPPE,
H.-E. MAHNKE, D. WRUCK
EXAFS Studies of the Local Structure around Zn in Cd_{1-x}Zn_xTe.
Hyperfine Interact. 136/137 (2002) 681
- T. KRAFT, T. MATTEI, A. RADOCAJ, B. PIEP, C. NOCULA,
M. FURCH, B. BRENNER
Structural Features of Cross-Bridges in Isometrically Contracting
Skeletal Muscle.
Biophys. J. 82 (2002) 2536
- B. KRAUSE, F. SCHREIBER, H. DOSCH, A. PIMPINELLI, O.
H. SEECK
Real-Time X-Ray and Kinetic Monte-Carlo Study of the
Temperature-Dependent 2D-3D Transition in the Growth of PT-
CDA on Ag(111).
Zur Veröffentlich. in Phys. Rev. Lett.
- C. KREIS, W. WERTH, R. ADELUNG, L. KIPP, M. SKIBOWSKI,
E.E. KRASOVSKII, W. SCHATTKE
Valence and Conduction Band States of HfS₂ from Bulk to a
Single Layer.
Zur Veröffentlich. in Phys. Rev. B
- C. KREIS, W. WERTH, R. ADELUNG, L. KIPP, M. SKIBOW-
SKI, D. VOSS, P. KRÜGER, A. MAZUR, J. POLLMANN
Surface Resonance at Transition Metal Dichalcogenide Hete-
rostructures.
Phys. Rev. B65 (2002) 153314
- F. KRIEGER, M. SPINKA, R. GOLBIK, G. HÜBNER, S. KÖNIG
Pyruvate Decarboxylase from Kluyveromyces Lactis – An Enzyme
with an Extraordinary Substrate Activation Behavior.
Eur. J. Biochem. 269 (2002) 3256
- A.V. KRUSHALOV, V.YU. IVANOV, K.V. BAUTIN, O.V. RYA-
BUKHIN, A.V. KOROTAEV, V.A. PUSTAVAROV
Metastable Defects in Beryllium Oxide Crystals.
Nucl. Instrum. Methods A486 (2002) 325
- N. KUCERKA, D. UHRIKOVA, J. KARLOVSKA, P. BALGAVY
X-Ray Diffraction Study of N-Decane Interaction with Phospha-
tidylcholine Bilayers. (In Slovak)
Farm. Obzor 71 (2002) 182
- S. KÜCK, I. SOKÓLSKA
High Energetic Transitions in Pr³⁺-Doped Polycrystalline
LiCaAlF₆ and LiSrAlF₆.
J. Electrochem. Soc. 149 (2002) J27
- Observation of Photon Cascade Emission in Pr³⁺-Doped LuF₃
and BaMgF₄.
Chem. Phys. Lett. 364 (2002) 273
- Room Temperature Emission from the Pr³⁺ 1S₀-Level in PrF₃.
Zur Veröffentlich. in Appl. Phys. A

- M. KÜHBACHER, G. WESELOH, A. THOMZIG, J. KNEIPP, M. BEEKES, G. FALKENBERG, M. RADTKE, H. RIESEMEIER, A. KYRIAKOPOULOS, D. BEHNE
Analysis and Location of Metal- and Metalloid-Containing Proteins by Synchrotron-Radiation X-Ray Fluorescence.
Zur Veröffentlichung in X-Ray Spectrom.
- A. KUPSCH, D.C. MEYER, P. GILLE, P. PAUFLER
Evidence of Phase Transition and Measurement of Thermal Expansion in Decagonal Al-Co-Ni at Low Temperatures.
J. Alloys Compd. 342 (2002) 256
- G. KURI, T. SCHMIDT, V. HAGEN, G. MATERLIK, R. WIESENDANGER, J. FALTA
Subsurface Interstitials as Promoters of 3D Growth of Ti on Si(111): An XSW, XPS and AFM Investigation.
J. Vac. Sci. Technol. B20 (2002) 1997
- R. KURTZ, C. PAULMANN, U. BISMAYER
Untersuchungen zur Realstruktur der Verbindung Nd₂GeMoO₈.
Zur Veröffentlichung in Eur. J. Mineral.
- T. LAARMANN, K. VON HAEFTEN, A. KANAIEV, H. WABNITZ, T. MÖLLER
Character of Tightly Bound Excitons in Small Argon Clusters: New Insights from Size Dependent Energy Shifts.
Phys. Rev. Lett. 66 (2002) 205407
- T. LAARMANN, K. VON HAEFTEN, H. WABNITZ, T. MÖLLER
Electronic Energy Dissipation Processes in Doped Rare Gas Clusters with a Shell-like Structure.
Surf. Rev. Lett. 9 (2002) 111
- T. LAARMANN, K. VON HAEFTEN, H. WABNITZ, R. VON PIETROWSKI, T. MÖLLER
Evolution of the Charge Localisation Process in Xenon Cluster Ions: From Tetramer to Dimer Cores as a Function of Cluster Size.
J. Chem. Phys. 116 (2002) 7558
- A.L.C. LAGO, H.P. DIOGO, M.E.M. DA PIEDADE, K. SCHWARZ, M. EPPLE
Driving Force for the Thermally Induced Solid State Polymerization of Alkali Metal Halogeno-Acetates: A Thermochemical Analysis.
J. Phys. Chem. B106 (2002) 10764
- M.F. LAGUNA, M.L. CERRADA, R. BENAVENTE, E. PÉREZ
Effect of the Comonomer Content on the Permeation Behavior in Polyolefin Films Synthesized with Metallocene Catalysts.
Zur Veröffentlichung in J. Membrane Sci.
- N.L.J. LE MASSON, A.P. VINK, P. DORENBOS, A.J.J. BOS, H.J.P. CHAMINADE
Ce³⁺ and Pt³⁺ 5d-Energy Levels in the (Pseudo) Perovskites KMgF₃ and NaMgF₃.
Zur Veröffentlichung in J. Lumin.
- K.Y.C. LEE, A. GOPAL, A. VON NAHMEN, J.A. ZASADZINSKI, J. MAJEWSKI, G.S. SMITH, P.B. HOWES, K. KJAER
Influence of Palmitic Acid and Hexadecanol on the Phase Transition Temperature and Molecular Packing of Dipalmitoylphosphatidyl-Choline Monolayers at the Air-Water Interface.
J. Chem. Phys. 116 (2002) 774
- T.-L. LEE et al.
Structural Analysis of Indium-Stabilized GaAs(001)-c(8×2) Surface.
Phys. Rev. B66 (2002) 235301
- W.T. LEE, E.K.H. SALJE, U. BISMAYER
Surface Structure of Domain Walls in a Ferroelastic System with a Domain Wall Pressure.
Zur Veröffentlichung in J. Phys.: Condens. Matter
- A. LEINWEBER, E.J. MITTEMEIJER, M. KNAPP, C. BAEHTZ
In-Situ and Ex-Situ Observation of the Ordering Kinetics in Ni_{1.50}Sn.
Zur Veröffentlichung in Mater. Sci. Forum
- G.Y. LENTZ, K. KNORR, W. DEPMEIER, C. BÄHTZ, M. KNAPP
Polymorphism in Mercallite at Higher Temperatures?
Eur. J. Mineral. Beiheft 14 (2002) 100
- A. LEUTERITZ, D. POSPIECH, B. KRETZSCHMAR, D. JEH-NICHEN, K. HEGER, U. JENTZSCH, U. WAGENKNECHT
Design of Interface in Polypropylene-Clay Nanocomposites.
Div. Polym. Mat.: Sci. & Eng. 87 (2002) 297
- A.A. LEVIN, D.C. MEYER, A. GORBUNOV, A. TSELEV, W. POMPE, P. PAUFLER
Thermally Stimulated Crystalline Phase Transformation in Metastable Fe-Cr Alloy Films Prepared by Pulsed Laser Deposition.
J. Alloys Compd. 347 (2002) 171
- X-Ray Investigation of Metastable Crystalline Phases in Co-deposited Fe-Cr Alloy Nanometer Films.
J. Alloys Compd. 334 (2002) 159
- S. LOCHYNSKI, B. FRACKOWIAK, T. LIBROWSKI, R. CZARNECKI, J. GROCHOWSKI, P. SERDA, M. PASENKIEWICZ-GIERULA
Stereochemistry of Terpene Derivatives Part 3: Hydrolytic Kinetic Resolution as a Convenient Approach to Chiral Aminohydroxyiminocaranes with Local Anaesthetic Activity.
Umschau 13 (2002) 873
- T. LORAND, E. OSZ, G. NAGY, E. WECKERT, D. LÜBBERT, A. MEENTS, L. PROKAI, B. KOCSIS
Diastereoselective Reduction of Cyclic Bioactive Mannich Ketones.
Zur Veröffentlichung in Tetrahedron
- D. LOWNEY, T.S. PEROVA, M. NOLAN, P.J. MCNALLY, R.A. MOORE, H.S. GAMBLE, T. TUOMI, R. RANTAMAKI, A.N. DANILEWSKY
Investigation of Strain Induced Effects in Silicon Wafers due to Proximity Rapid Thermal Processing Using Micro-Raman Spectroscopy and Synchrotron X-Ray Topography.
Semicond. Sci. Technol. 17 (2002) 1081

- D. LÜBBERT, J. ARTHUR, M. SZTUCKI, T.H. METZGER, P.B. GRIFFIN, J.R. PATEL
X-Ray Diffuse Scattering Study of the Kinetics of Stacking Fault Growth and Annihilation in Boronimplanted Silicon.
Appl. Phys. Lett. 81 (2002) 3167
- D. LÜTZENKIRCHEN-HECHT, M. WAGEMAKER, P. KEIL, A.A. VAN WELL, R. FRAHM
Quasi-in-situ Reflection Mode EXAFS at the Ti K-Edge of Lithium Intercalated TiO₂ Rutile.
Zur Veröffentlich. in Surf. Sci.
- A. LUSHCHIK, M. KIRM, C. LUSHCHIK, I. MARTINSON, V. NAGIRNYI, E. VASIL'CHENKO
Nano-Scale Radiation Effects in Wide-Gap Crystals under Irradiation by VUV Photons.
Nucl. Instrum. Methods B191 (2002) 135
- A. LUSHCHIK, C. LUSHCHIK, E. VASIL'CHENKO, M. KIRM, I. MARTINSON
Control of Excitonic and Electron-Hole Processes in Wide-Gap Crystals by Means of Elastic Uniaxial Stress.
Surf. Rev. Lett. 9 (2002) 299
- S. MACKOWSKI, E. SOBCZAK, R. NIETUBYC, G. GOERIGK, S. KRET, P. DLUZEWSKI, A. SZCZEPANSKA, E. JANIK, J. KOSSUT, G. KARCZEWSKI
Three-Dimensional Quantum Dot „Crystal“ Formation in CdTe/ZnTe Superlattices.
phys. stat. sol. (b) 229 (2002) 445
- V.N. MAKHOV, N.M. KHAIDUKOV, M. KIRM, G. ZIMMERER, S.K. LAM, D. LO, N.V. SUETIN
Luminescence Properties of LiKGdF₅ Crystals Doped with Er³⁺ and Tm³⁺ as Promising Materials for VUV-Excited Phosphors.
Surf. Rev. Lett. 9 (2002) 271
- V.N. MAKHOV, N.YU. KIRIKOVA, N.M. KHAIDUKOV, M. KIRM, E. NEGODIN, G. ZIMMERER, S.K. LAM, D. LO, J.C. KRUPA, J.Y. GESLAND
VUV Spectroscopy of Crystalline Emitters Based on 5d-4f Transitions in Rare Earth Ions.
Surf. Rev. Lett. 9 (2002) 621
- V.N. MAKHOV, N.YU. KIRIKOVA, M. KIRM, J.C. KRUPA, P. LIBLIK, A. LUSHCHIK, C. LUSHCHIK, E. NEGODIN, G. ZIMMERER
Luminescence Properties of YPO₄:Nd³⁺: A Promising VUV Scintillator Material.
Nucl. Instrum. Methods A486 (2002) 437
- C. MALGRANGE, W. GRAEFF
Diffraction of Short X-Ray Pulses in the General Asymmetric Laue Case – An Analytic Treatment.
Zur Veröffentlich. in J. Synchrotron Rad.
- C. MARCO, M.A. GOMEZ, G. ELLIS, J.M. ARRIBAS
Activity of a Beta Nucleating Agent for Isotactic Polypropylene and its Influence on the Polymorphic Transitions.
Acta Crystallogr. A86 (2002) 531
- J.C. MARXEN, W. BECKER, D. FINKE, B. HASSE, M. EPPLER
Early Mineralization in Biomphalaria Glabrata: Microscopic and Structural Results.
Zur Veröffentlich. in J. Molluscan Stud.
- F.A. MASPERO, K. RUFFIEUX, B. MÜLLER, E. WINTER-MANTEL
Resorbable Defect Analog PLGA Scaffolds Using CO₂ as Solvent: Structural Characterization.
J. Biomed. Mater. Res. 62 (2002) 89
- N. MATTERN, U. KÜHN, H. HERMANN, H. EHRENBERG, J. NEUEFEIND, J. ECKERT
Short-Range Order of Zr_{62-x}Ti_xAl₁₀Cu₂₀Ni₈ Bulk Metallic Glasses.
Appl. Phys. Lett. 50 (2002) 305
- N. MATTERN, U. KÜHN, J. SAKOWSKI, J. NEUEFEIND, J. ECKERT
Structure of Zr₅₂Ti₅Cu₁₈Ni₁₅Al₁₀ Bulk Metallic Glass at Elevated Temperatures.
Appl. Phys. Lett. 80 (2002) 4525
Mater. Trans. JIM 43 (2002) 1947
- C. MCGINLEY, M. RIEDLER, T. MÖLLER, H. BORCHERT, S. HAUBOLD, M. HAASE, H. WELLER
Evidence for Surface Reconstruction in InAs Nanocrystals.
Phys. Rev. B65 (2002) 245308
- P.J. MCNALLY, G. DILLIWAY, J.M. BONAR, A. WILLOUGHBY, T. TUOMI, R. RANTAMÄKI, A.N. DANILEWSKY, D. LOWNEY
Total Reflection X-Ray Topography for the Observation of Misfit Dislocation Strain at the Surface of a Si/Ge-Si Heterostructure.
J. X-Ray Sci. Technol. 9 (2002) 121
- M. MEDUNA, V. HOLY, T. ROCH, G. BAUER, O.G. SCHMIDT, K. EBERL
Diffuse X-Ray Reflectivity from Selfassembled Ripples with Superimposed Roughness in Si/Ge Superlattices.
Semicond. Sci. Technol. 17 (2002) 480
- M. MEDUNA, V. HOLY, J. STANGL, A. HESSE, T. ROCH, G. BAUER, O.G. SCHMIDT, K. EBERL
Non-Specular X-Ray Reflection from Selforganized Ripple Structures in Si/Ge Multilayers.
Physica E13 (2002) 1003
- U. MENNICKE, T. SALDITT
Preparation of Solid-Supported Bilayers by Spin-Coating.
Langmuir 18 (2002) 8172
- B.V. MERINOV, S.M. HALLE, U. BISMAYER
Crystal Structure of the „Intermediate“ Phase of the Protonic Conductor Rb₃H(SeO₄)₂.
Solid State Ion. 146 (2002) 355
- D.C. MEYER, A. KUPSCH, P. PAUFLER
Attenuation Correction in Quantitative DAFS Analysis Including Extinction Effects.
Zur Veröffentlich. in J. Synchrotron Radiat.

- B. MIHAILOVA, U. BISMAYER, B. GÜTTLER, M. GOSPODINOV, L. KONSTANTINOV
Local Phenomena in Relaxor-Ferroelectric $\text{PbSc}_{0.5}\text{B}''_{0.5}\text{O}_3$ ($\text{B}''=\text{Nb,Ta}$).
Zur Veröffentlichung in *Electr. Opt. Mater.*
- Local Structure and Dynamics in Relaxor-Ferroelectric $\text{PbSc}_{1/2}\text{Nb}_{1/2}\text{O}_3$ and $\text{PbSc}_{1/2}\text{Ta}_{1/2}\text{O}_3$.
J. Phys.: Condens. Matter 14 (2002) 1091
- V.V. MIKHAILIN, A.N. BELSKY, I.A. KAMENSKIKH, V.N. KOLOBANOV, P.A. OREKHANOV, I.N. SHPINKOV, D.A. SPASSKY, A.N. VASIL'EV
Study of Optical and Luminescent Properties of Some Inorganic Scintillators in the Fundamental Absorption Region.
Nucl. Instrum. Methods A 486 (2002) 367
- P. MIKULIK, D. LÜBBERT, D. KORYTAR, P. PERNOT, T. BAUMBACH
Synchrotron Area Diffractometry as a Tool for Spatial High-Resolution Three-Dimensional Lattice Misorientation Mapping.
Zur Veröffentlichung in *J. Phys. D: Appl. Phys.*
- F. MIRABELLA, R.L. JOHNSON, J. GHIJSEN
Growth and Photoemission Investigations of Manganese Thin Films Deposited on $\text{GeS}(001)$ Surfaces.
Surf. Sci. 506 (2002) 172
- B. MOEST, T. SCHMIDT, W.C.A.N. CEELLEN, A.W. DENIER VAN DER GON, J. FALTA, G. MATERLIK, H.H. BRONGERSMA
Determination of the K Adsorption Site on $\text{Fe}(110)$ with XSW.
Surf. Sci. 520 (2002) 137
- M. MORGENSTERN, J. KLIJN, C. MEYER, M. GETZLAFF, R. ADELUNG, R.A. RÖMER, K. ROSSNAGEL, L. KIPP, M. SKIBOWSKI, R. WIESENDANGER
Direct Comparison between Potential Landscape and Local Density of States in a Disordered Two-Dimensional Electron System.
Phys. Rev. Lett. 89 (2002) 136806
- M. MORGENSTERN, J. WIEBE, A. WACHOWIAK, M. GETZLAFF, J. KLIJN, L. PLUCINSKI, R.L. JOHNSON, R. WIESENDANGER
Co on $\text{P-InAs}(110)$: An Island-Induced Two-Dimensional Electron System Consisting of Electron Droplets.
Phys. Rev. B 65 (2002) 155325
- B.I. MOSQUEDA-JIMÉNEZ, A. JENTYS, K. SESHAN, J.A. LERCHER
Reduction of Nitric Oxide by Propene and Propane on Ni-Exchanged Mordenite.
Zur Veröffentlichung in *Applied Catalysis B*
- M. MRAK, N. NOVAK TUSAR, A. RISTIC, I. ARCON, F. THIBAUT-STARZYK, V. KAUCIC
Incorporation of Heteroatoms ($\text{Me}=\text{Zn,Co,Mn}$) into Framework Sites of Gallophosphate Molecular Sieve ULM-5.
Zur Veröffentlichung in *Microporous & Mesoporous Mat.*
- B. MÜLLER, F. BECKMANN, M. HUSER, F. MASPERO, G. SZEKELY, K. RUFFIEUX, P. THURNER, E. WINTERMANTEL
Non-Destructive Three-Dimensional Evaluation of Polymer Sponge by Microtomography Using Synchrotron Radiation.
Biomolec. Eng. 19 (2002) 73
- B. MÜLLER, P. THURNER
Quantitative Analyse von dreidimensionalen Zellkulturen auf textilen Trägern mittels Mikrotomography am Synchrotron.
Biomaterialien 3 (2002) 173
- H.J. MUELLER, J. LAUTERJUNG, F.R. SCHILLING, C. LATHE, G. NOVER
Interferometric Method for Velocity Measurements of Ultrasonic Compressional and Shear Waves in Piston-Cylinder and Multi-Anvil High Pressure Cells.
Eur. J. Mineral. 14 (2002) 581
- R. MÜLLER, C. JANOWITZ, A. KRAPF, M. SCHNEIDER, R. UNGER, L. DUDY, H. DWELK, R. MANZKE, H. HÖCHST, C. AST
Photon Energy Dependence of ARPES-Spectra of Single Layer $\text{Bi}_2\text{Sr}_{2-x}\text{La}_x\text{CuO}_{6+\delta}$.
Physica B 312-313 (2002) 91
- R. MÜLLER, C. JANOWITZ, M. SCHNEIDER, R.-S. UNGER, A. KRAPF, H. DWELK, A. MÜLLER, L. DUDY, R. MANZKE, H. HÖCHST
Fermi Surface and Superconducting Gap of Triple-Layered $\text{Bi}_2\text{Sr}_2\text{Ca}_2\text{Cu}_3\text{O}_{10+\delta}$.
J. Supercond. 15 (2002) 147
- R. MÜLLER, M. SCHNEIDER, C. JANOWITZ, R. UNGER, A. KRAPF, H. DWELK, R. MANZKE, K. ROSSNAGEL, L. KIPP, M. SKIBOWSKI
Fermi Surface Map of the Single-Layer Bi-Cuprate $\text{Bi}_2\text{Sr}_{2-x}\text{La}_x\text{CuO}_{6+\delta}$ at Optimal Doping.
Zur Veröffentlichung in *J. Supercond.*
- R. MÜLLER, E. WECKERT, J. ZELLNER, M. DRAKOPOULOS
Investigation of Radiation Dose Induced Changes in Organic Light Atom Crystals by Accurate D-Spacing Measurements.
J. Synchrotron Rad. 9 (2002) 368
- P. MÜLLER-BUSCHBAUM, J.S. GUTMANN, C. LORENZ-HAAS, O. WUNNICKE, M. STAMM, W. PETRY
Dewetting of Thin Diblock Copolymer Films.
Macromol. 35 (2002) 2017
- C. MÜNSTER, A. SPAAR, B. BECHINGER, T. SALDITT
Magainin2 in Phospholipid Bilayers: Peptide Orientation and Lipid Chain Ordering Studied by X-Ray Diffraction.
Biochimica and Biophysica Acta 1562 (2002) 37
- D. MUKHERJI, R. GILLES, B. BARBIER, D. DEL GENOVESE, B. HASSE, P. STRUNZ, T. WROBLEWSKI, H. FUESS, J. RÖSLER
Lattice Misfit Measurement in Inconel 706 Containing Coherent γ and γ' Precipitates.
Zur Veröffentlichung in *Scr. Mater.*

- B.M. MURPHY, J. STETTNER, M. TRAVING, M. SPRUNG, I. GROTKOPP, M. MÜLLER, M. TOLAN, W. PRESS
Surface Behaviour at the Charge Density Wave Transition in NbSe₂.
Zur Veröffentlichung in Physica B
- V. NAGIRNYI, E. FELDBACH, L. JÖNSSON, M. KIRM, A. KOTLOV, A. LUSHCHIK, V.A. NEFEDOV, B.I. ZADNEPROVSKI
Energy Transfer in ZnWO₄ and CdWO₄ Scintillators.
Nucl. Instrum. Methods A486 (2002) 395
- V. NECK, R. MÜLLER, M. BOUBY, M. ALTMAIER, J. ROTHE, M.A. DENECKE, J.I. KIM
Low Temperature XAFS Investigation on the Lutetium Binding Changes during the Zline-Ferrihydrite Alteration Process.
Zur Veröffentlichung in Radiochim. Acta
- J. NEUEFEIND
High Energy XRD Investigations of Liquids.
J. Mol. Liq. 98 (2002) 87
- J. NEUEFEIND, C.J. BENMORE, B. TOMBERLI, P.A. EGELSTAFF
Experimental Determination of the Electron Density of Liquid H₂O and D₂O.
J. Phys.: Condens. Matter 14 (2002) L429
- B. NIEMEYER, L. HE, V. GARAMUS, S.S. FUNARI, M. MALFOIS, R. WILLUMEIT
Comparison of Small Angle Scattering Methods for the Structure Analysis of Octyl- β -Maltopyranoside Forming Nanostructured Aggregate.
J. Phys. Chem. B106 (2002) 7596
- R. NIEWA et al.
XAS Spectra of Ce₂[MnN₃] at the Ce-M_{4,5}Ce-L₃, Mn-L_{2,3} and N-K Thresholds.
J. Alloys Compd. 346 (2002) 129
- M. NIELSEN, M. POULSEN, O. BUNK, C. KUMPF, R. FEIDENHANS'L, R.L. JOHNSON, F. JENSEN, F. GREY
Mapping Strain Fields in Ultrathin Si Wafers by X-Ray Scattering.
Appl. Phys. Lett. 80 (2002) 3412
- R. NIEWA, D.A. ZHEREBTSOV, R. KNIEP
Zur Polymorphie von Li₇VN₄.
Z. Anorg. Allg. Chemie 628 (2002) 2202
- Y. NISHINO, T. ISHIKAWA, M. SUZUKI, N. KAWAMURA, P. KAPPEN, P. KORECKI, N. HAACK, G. MATERLIK
Photon Interference Effect in X-Ray Absorption Spectra over a Wide Energy Range.
Phys. Rev. B66 (2002) 113103
- J. NOVAK, U. BISMAYER, E.K.H. SALJE
Simulated Equilibrium Shapes of Ferroelastic Needle Domains.
J. Phys.: Condens. Matter 14 (2002) 657
- N. NOVAK TUSAR, G. MALI, I. ARCON, V. KAUCIC, A. GHANBARI-SIAHKALI, J. DWYER
Framework Cobalt and Manganese in MeAPO-31 (Me=Co,Mn) Molecular Sieves.
Microporous & Mesoporous Mat. 55 (2002) 203
- B. OBST, J.E. HANSEN, B. SONNTAG, P. WERNET, P. ZIMMERMANN
Photoionization Studies of the 2p Resonances of Atomic Calcium.
Phys. Rev. A65 (2002) 062716
- I.N. OGORODNIKOV, V.A. PUSTOVAROV, M. KIRM, A.V. KRUZHALOV, L.I. ISAENKO
Low Temperature Time-Resolved Luminescence VUV Spectroscopy of KB₅O₈ · 4H₂O Crystals.
Opt. Spectrosc. 92 (2002) 702
- Low Temperature Time-Resolved Vacuum Ultraviolet Spectroscopy of KB₅ Crystals with Defects.
Opt. Spectrosc. 92 (2002) 785
- A.N. OGURTSOV, E.V. SAVCHENKO, E. GMINDER, S. VIELHAUER, G. ZIMMERER
Photon Yield from Solid Krypton and Xenon at the Edge of Exciton Absorption.
Surf. Rev. Lett. 9 (2002) 45
- A.N. OGURTSOV, E.V. SAVCHENKO, E. SOMBROWSKI, S. VIELHAUER, G. ZIMMERER
Exciton Self-Trapping Into Diatomic and Triatomic Molecular Complexes in Xenon Cryocrystals.
Zur Veröffentlichung in Low Temperature Physics
- J.S. OLSEN, L. GERWARD, J.Z. JIANG
High Pressure Behavior of Nanocrystalline TiO₂.
High Press. Res. 22 (2002) 385
- B.A. ORLOWSKI, E. GUZIEWICZ, E. NOSSARZEWSKA-ORLOWSKA, A. BUZKOWSKI, R.L. JOHNSON
Photoemission Study of Gd Doped Clear Si(111) Surface.
Surf. Sci. 507-510 (2002) 218
- B.A. ORLOWSKI, B.J. KOWALSKI, K. FRONC, R. ZUBEREK, S. MICKIEWICZ, J. GHIJSEN, F. MIRABELLA
Investigation of Fe/Si Multilayers by X-Ray Photoelectron Spectroscopy.
Zur Veröffentlichung in J. Alloys Compd.
- B.A. ORLOWSKI, S. MICKIEWICZ, B.J. KOWALSKI, A.J. NADOLNY, B. TALIASHVILI, J. GHIJSEN, F. MIRABELLA, R.L. JOHNSON
X-Ray and Ultraviolet Photoemission Study of Electronic Structure of Sn_{1-x}Mn_xTe MBE Layers.
Surf. Sci. 507-510 (2002) 155
- M.H. OTT, D. LÖHE
The Influence of Surface Roughness on the Refraction Correction of Bragg Peak Positions.
Mater. Sci. Forum 404 (2002) 25
- The Influence of Surface Roughness on the Refraction of X-Rays and its Effect on Bragg Peak Positions.
Zur Veröffentlichung in Adv. X-Ray Anal. 46 (2002)
- A. OWENS, H. ANDERSSON, M. BAVDAZ, H. GRAAFSMA, N. HAACK, A. PEACOCK, A. PUIG
The Hard X-Ray Response of a Large Area HgI₂ Detector.
Nucl. Instrum. Methods A487 (2002) 90

- A. OWENS, M. BAVDAZ, H. ANDERSSON, T. GAGLIARDI, M. KRUMREY, S. NENONEN, A. PEACOCK, I. TAYLOR
The X-Ray Response of CdZnTe.
Nucl. Instrum. Methods A484 (2002) 242
- A. OWENS, M. BAVDAZ, G. BRAMMERTZ, F. DUBECKY, V. GOSTILO, D. GRYAZNOV, N. HAACK, M. KRUMREY, A. LOUPILOV, A. PEACOCK
The X-Ray Response of InP: Part B, Synchrotron Measurements.
Nucl. Instrum. Methods A491 (2002) 444
- A. OWENS, M. BAVDAZ, G. BRAMMERTZ, M. KRUMREY, D. MARTIN, A. PEACOCK, L. TROEGER
The Hard X-Ray Response of HgI₂.
Nucl. Instrum. Methods A479 (2002) 535
- A. OWENS, M. BAVDAZ, V. GOSTILO, D. GRYAZNOV, A. LOUPILOV, A. PEACOCK, H. SIPILA
The X-Ray Response of InP.
Nucl. Instrum. Methods A487 (2002) 167
- A. OWENS, M. BAVDAZ, A. PEACOCK, H. ANDERSSON, S. NENONEN, M. KRUMREY, A. PUIG
High Resolution X-Ray Spectroscopy Using a GaAs Pixel Detector.
Nucl. Instrum. Methods A479 (2002) 531
- A. OWENS, M. BAVDAZ, A. PEACOCK, A. POELAERT, H. ANDERSSON, S. NENONEN, L. TROEGER, G. BERTUCCIO
Hard X-Ray Spectroscopy Using Small Format GaAs Arrays.
J. Appl. Phys. 90 (2002) 5376
- J. PADEZNIK-GOMILSEK, I. ARCON, A. KODRE, J. DOLINSEK
EXAFS Study of the Fe Local Environment in Icosahedral Al-CuFe and its Relation to Magnetism of Quasicrystals.
Solid State Commun. 123 (2002) 527
- B. PALOSZ, E. GRZANKA, S. GIERLOTKA, S. STEL'MAKH, P. PIELASZEK, U. BISMAYER, J. NEUEFEIND, H.-P. WEBER, W. PALOSZ
Diffraction Studies of Nanocrystals: Theory and Experiment.
Acta Phys. Pol. A102 (2002) 57
- I. PANTENBURG, U. RUSCHEWITZ
Co(C₂COO₂)(H₂O)₄·2H₂O und Co(C₂COO₂)(H₂O)₂: Zwei Koordinationspolymere mit dem Acetylendicarboxylat-Dianion.
Z. Anorg. Allg. Chemie 628 (2002) 1697
- A. PAOLONE, C. CASTELLANO, R. CANTELLI
EXAFS Study of the Local Structure of Fe₃O₄ through the Charge Ordering Transition.
Zur Veröffentlich. in J. Phys.: Condens. Matter
- A. PAOLONE, C. CASTELLANO, R. CANTELLI, G. ROUSSE, C. MASQUELIER
Evidence of a Splitting of the Mn-O Distance and of a Large Lattice Disorder in the Charge Ordered Phase of LiMn₂O₄ Obtained by EXAFS.
Zur Veröffentlich. in Phys. Rev. B
- M. PASENKIEWICZ-GIERULA, T. RÓG, J. GROCHOWSKI, P. SERDA, R. CZARNECKI, T. LIBROWSKI, S. LOCHYNSKI
Effects of a Carane Derivative Local Anesthetic on a Phospholipid Bilayer: A Molecular Dynamics Simulation Study.
Zur Veröffentlich. in Biophys. J.
- T. PASSOW, K. LEONARDI, H. HEINKE, T. SCHMIDT, J. FALTA, A. STOCKMANN, H. SELKE, D. HOMMEL
Influence of Capping Conditions on Structural Properties of CdSe/ZnSe Quantum Dot Structures.
Physica E13 (2002) 1208
- W. PASZKOWICZ
High-Pressure Powder X-Ray Diffraction at the Turn of the Century.
Nucl. Instrum. Methods B198 (2002) 142
- W. PASZKOWICZ, M. KNAPP, S. PODSIADLO, G. KAMLER, J.B. PELKA
Lattice Parameters of Aluminium Nitride in the Range 10–291 K.
Acta Phys. Pol. A101 (2002) 781
- W. PASZKOWICZ, J.B. PELKA, M. KNAPP, T. SZYSZKO, S. PODSIADLO
Lattice Parameters and Anisotropic Thermal Expansion of Hexagonal Boron Nitride in the 10–297.5 K Temperature Range.
Appl. Phys. A75 (2002) 431
- C. PAULMANN, R. KURTZ, U. BISMAYER
Reconstruction of Diffuse Scattering from CCD Synchrotron Data. Example Nd₂GeMoO₈.
Zur Veröffentlich. in Eur. J. Mineral.
- J.B. PELKA, W. PASZKOWICZ, P. GIERLOWSKI, S.J. LEWANDOWSKI, M. ZIELINSKI, S. BARBANERA, M. KNAPP
X-Ray Characterization of Films Formed by Pulsed Laser Deposition on Cold Substrates from YBaCuO Targets.
Acta Phys. Pol. A101 (2002) 787
- G. PEPPONI, C. STRELI, P. WOBRAUSCHEK, S. ZAMINI, N. ZÖGER, G. FALKENBERG
Comparison of SR-TXRF Excitation-Detection Geometries for Samples with Differing Matrices.
Zur Veröffentlich. in Spectrochim. Acta B
- J.P. PETITET, V.L. SOLOZHENKO
Phase Transformations in the TiO₂-SiO₂ System at High Pressures and Temperatures.
Zur Veröffentlich. in Solid State Commun.
- F. PFEIFFER, U. MENNICKE, T. SALDITT
Waveguide Enhanced Scattering from Thin Biomolecular Films.
J. Appl. Cryst. 35 (2002) 1
- J. PFLÜGER, M. TISCHER
Undulator Systems for the TESLA X-FEL.
Nucl. Instrum. Methods A483 (2002) 388
- K. PILZ, M. ESTERMANN, S. VAN SMAALEN
Automatic Indexing of Area Detector Data of Periodic and Aperiodic Crystals.
J. Appl. Cryst. 35 (2002) 253
- P. PISZORA, J. DARUL, W. NOWICKI, E. WOLSKA
Synchrotron X-Ray Powder Diffraction Studies on the Phase Transitions in LiMn₂O₄.
Zur Veröffentlich. in J. Alloys Compd.

- P. PISZORA, W. PASZKOWICZ, C. BAEHTZ, E. WOLSKA
High-Resolution X-Ray Diffraction Studies on the Phase Transitions in the Spinel Lithium-Manganese Oxide.
Zur Veröffentlichung in Solid State Commun.
- A. PLECH, T. SALDITT
Structural Properties of Self-Assembled Thin Films and Polyelectrolyte Composites – The Case of Surface Sensitive Scattering Techniques.
In: Handbook of Polyelectrolytes and their Applications, S. Tripathy et al. (Eds.), Am. Sci. Publ., Stevenson Ranch/USA, Vol. 1 (2002) 265
- L. PLUCINSKI, B.J. KOWALSKI, T. STRASSER, I. GRZEGORY, S. POROWSKI, S. EINFELDT, B.A. ORLOWSKI, R.L. JOHNSON
Electronic Band Structure of Gallium Nitride: A Comparative Angle-Resolved Photoemission Study of Single Crystals and Thin Films.
Surf. Sci. 507-510 (2002) 223
- S. POLIZZI, M. BATTAGLIARIN, M. BETTINELLI, A. SPEGHINI, G. FAGHERAZZI
Investigation on Lanthanide-Doped Y₂O₃ Nanopowders Obtained by Wet Chemical Synthesis.
J. Mater. Chem. 12 (2002) 742
- S. POLIZZI, P. RIELLO, G. GOERIGK, A. BENEDITTI
Quantitative Investigations of Supported Metal Catalysts by ASAXS.
J. Synchrotron Rad. 9 (2002) 65
- U. PONKRATZ, F. PORSCH, G. WORTMANN, W.B. HOLZAPFEL
X-Ray Diffraction Studies on RECO₂ (RE=Pr,Nd,Sm,Tb) Laves Phases under Pressure.
Zur Veröffentlichung in J. Alloys Compd.
- D. POSPIECH, A. GOTTWALD, D. JEHNICHEN, P. FRIEDEL, A. JOHN, C. HARNISCH, D. VOIGT, G. KHIMICH, A.YU. BILIBIN
Determination of Interaction Parameters of Block Copolymers Containing Aromatic Polyesters from Solubility Parameters Obtained from Solution Viscosities.
Colloid Polym. Sci. 280 (2002) 1027
- D. POSPIECH, D. JEHNICHEN, A. GOTTWALD, L. HÄUSSLER, W. KOLLIG, K. GRUNDKE, A. JANKE, S. SCHMIDT, S. WERNER
Surface Structure of Fluorinated Polymers and Block Copolymers.
Zur Veröffentlichung in Surface Coatings Int. Part B
- X. POTEAU, G. SAROJA, C. SPIES, R.G. BROWN
Fluorescence Sensing of Protons, Alkali Metal and Alkaline Earth Cations by 3-Hydroxyflavone Derivatives.
Zur Veröffentlichung in Phys. Chem. Chem. Phys.
- R. PRAMATAROVA, K. BANDEL, U. BISMAYER, H. LEMMENS
Spatial Orientation Variation of Biominerals Calcite and Aragonite within the Shell of Patella Crenata.
Zur Veröffentlichung in Eur. J. Mineral.
- K. PROOST, L. VINCZE, K. JANSSENS, N. GAO, E. BULSKA, M. SCHREINER, G. FALKENBERG
Characterisation of a Polycapillary Lens for Use in Micro-XANES Experiments.
Zur Veröffentlichung in X-Ray Spectrom.
- A. PUNDT, M. DORNHEIM, H. GUERDANE, H. TEICHLER, H. EHRENBERG, M.T. REETZ, N.M. JISRAWI
Evidence for Cubic-to-Icosahedral Transition of Quasi-Free Pd-H-Clusters Controlled by the Hydrogen.
Eur. Phys. J. D19 (2002) 333
- V.A. PUSTOVAROV, A.F. SATSEPIN, V.S. CHEREMNYKH, A.A. SYRTSOV, S.O. CHOLAKH
Spectroscopy of Defects in Irradiated AlPO₄ and GaPO₄ Crystals.
Zur Veröffentlichung in Rad. Eff. Defects Solids
- A. RAJAGOPAL, N. KOCH, J. GHIJSEN, K. KAERIYAMA, R.L. JOHNSON, G. LEISING, J.J. PIREAUX
Energy-Level Alignment at a Polymer Oligomer Interface: Poly(2,5-Diheptyl-1,4-Phenylene-Alt-2,5-Thienylene) and p-Sexiphenyl Case.
Zur Veröffentlichung in Phys. Chem. Chem. Phys.
- R. RANTAMÄKI, T. TUOMI, Z.R. ZYTKIEWICZ, P.J. MCNALLY, A.N. DANILEWSKY
Comparative Analysis of Synchrotron X-Ray Transmission and Reflection Topography Techniques Applied to Epitaxial Laterally Overgrown GaAs Layers.
Zur Veröffentlichung in J. X-Ray Sci. Technol.
- H. RAPAPORT, G. MÖLLER, C.M. KNOBLER, T.R. JENSEN, K. KJÆR, L. LEISEROWITZ, D.A. TIRREL
Assembly of Triple-Stranded Beta-Sheet Peptides at Interfaces.
J. Am. Chem. Soc. 124 (2002) 9342
- F.B. RASMUSSEN, J. SEHESTED, H.T. TEUNISSEN, A.M. MOLENBROEK, B.S. CLAUSEN
Sintering of Ni/Al₂O₃ Catalysts Studied by Anomalous Small Angle X-Ray Scattering.
Zur Veröffentlichung in J. Phys. Chem. B
- F.B. RASMUSSEN, H.T. TEUNISSEN, A.M. MOLENBROEK, J. SEHESTED, R. CHRISTENSEN, A.-M.H. KJAER, B.S. CLAUSEN
Particle Size Distribution of Supported Ni-Catalysts Prepared by Impregnation and Deposition-Precipitation.
Zur Veröffentlichung in Kinetics and Catalysis
- M. REHBEIN, R.D. FISCHER, M. EPPLER
Preparation of Intermetallic Phases of Noble Metals and Tin by Thermolysis of Metal-Organic Coordination Polymers.
Thermochimica Acta 382 (2002) 143
- T. RESSLER
Reply to „Kinetics and Mechanism of MoO₃ Reduction“.
Comments on „In situ XAS and XRD Studies on the Formation of Mo Suboxides during Reduction of MoO₃“.
J. Phys. Chem. B106 (2002) 7719

- T. RESSLER, R.E. JENTOFT, J. WIENOLD, T. NEISIUS
Bulk Structural Investigation of the Reduction of MoO₃ with Propene and the Oxidation of MoO₂ with Oxygen.
J. Catalysis 210 (2002) 67
- T. RESSLER J. WIENOLD, R.E. JENTOFT, F. GIRGSDIES
Evolution of Defects in the Bulk Structure of MoO₃ during Oxidation of Propene.
Zur Veröffentlich. in *Eur. J. Inorg. Chem.*
- Implications of Defects in the Bulk Structure of MoO₃ for the Oxidation of Propene.
Zur Veröffentlich. in *Z. Anorg. Allg. Chemie*
- Structure-Activity Relationships of Heterogeneous Catalysts from Time-Resolved X-Ray Absorption Spectroscopy.
Zur Veröffentlich. in *Nucl. Instrum. Methods B*
- T. RESSLER, J. WIENOLD, R.E. JENTOFT, T. NEISIUS, M.M. GÜNTNER
Kinetics of Solid-State Reactions in Heterogeneous Catalysis from Time-Resolved X-Ray Absorption Spectroscopy.
Catal. Lett. 18 (2002) 45
- K. RICKERS, W. HEINRICH, R. THOMAS
Trace-Element Analysis of Individual Synthetic and Natural Fluid Inclusions with Synchrotron Radiation XRF Using Monte Carlo Simulations for Quantification.
Zur Veröffentlich. in *Eur. J. Mineral.*
- M. RICHWIN, R. ZAEPPER, D. LÜTZENKIRCHEN-HECHT, R. FRAHM
Piezo-XAFS – Time Resolved X-Ray Absorption Spectroscopy.
Rev. Sci. Instrum. 73 (2002) 1668
- M. RIEDLER, A.R.B. DE CASTRO, A. KOLMAKOV, J.O. LÖFKEN, C. NOWAK, A.V. SOLDATOV, A. WARK, G. YALOVEGA, T. MÖLLER
Na 1s Photoabsorption of Free and Deposited NaCl Clusters: A Study of the Development of the Bond Length with the Cluster Size.
Phys. Rev. B 64 (2002) 24519
- A. RISTIC, N. NOVAK TUSAR, I. ARCON, F. THIBAUT-STARZYK, D. HANZEL, J. CZYZNIEWSKA, V. KAUCIC
Synthesis and Characterization of Triclinic MeAPO-34 (Me=Zn, Fe) Molecular Sieves.
Zur Veröffentlich. in *Microporous & Mesoporous Mat.*
- T. ROCH, V. HOLY, A. HESSE, J. STANGL, T. FROMHERZ, G. BAUER
Strain in Buried Selfassembled SiGe Wires Studied by Grazing Incidence X-Ray Diffraction.
Phys. Rev. B 65 (2002) 245324
- T. ROCH, M. MEDUNA, J. STANGL, A. HESSE, R.T. LECHNER, G. BAUER, G. DEHLINGER, L. DIEHL, U. GENNSER, E. MÜLLER, D. GRÜTZMACHER
Interface Roughness in SiGe Quantum-Cascade Structures from X-Ray Reflectivity Studies.
J. Appl. Phys. 91 (2002) 8974
- T.G. ROS, M.K. VAN DER LEE, A.J. VAN DILLEN, J.W. GEUS, D.C. KONINGSBERGER
Preparation and Activity of Small Rhodium Metal Particles on Fishbone Carbon Nanofibres.
J. Catalysis 211 (2002) 85
- K. ROSSNAGEL, L. KIPP, M. SKIBOWSKI
High Energy Angle-Resolved Photoemission Spectroscopy of the Model System 1T-TiTe₂.
Zur Veröffentlich. in *Phys. Rev. B*
- The Charge-Density-Wave Transition in 1T-TiSe₂: Excitonic Insulator or Band-Type Jahn-Teller Mechanism?
Phys. Rev. B 65 (2002) 235101
- C. ROTH, N. MARTZ, T. BUHRMESTER, J. SCHERER, H. FUESS
In-situ XAFS Fuel Cell Measurements of a Carbon-Supported Pt-Ru Anode Electrocatalyst in Hydrogen and Direct Methanol Operation.
Phys. Chem. Chem. Phys. 4 (2002) 3555
- J. ROTHE, M.A. DENECKE, V. NECK, R. MÜLLER, J.I. KIM
XAFS Investigation of the Structure of Aqueous Th(IV) Species, Colloids, and Solid Th(IV) Oxide/Hydroxide.
Inorg. Chemistry 41 (2002) 249
- A. RÜDEL, R. HENTGES, U. BECKER, H.S. CHAKRABORTY, M.E. MADJET, J. ROST
Imaging Delocalized Clouds: Photoionisation of C₆₀ in Fourier Reciprocal Space.
Phys. Rev. Lett. 89 (2002) 125503
- E. RÜHL, R. FLESCHE, W. TAPPE, D. NOVIKOV, N. KOSUGI
Sulfur 1s Excitation of S₂ and S₈: Core-Valence- and Valence-Valence-Exchange Interaction and Geometry-Specific Transitions.
J. Chem. Phys. 116 (2002) 3316
- K. RUPPRECHT, T. FRIEDMANN, H. GIEFERS, G. WORTMANN, B. DOYLE, J. ZUKROWSKI
High Pressure/High Temperature NFS Study of Magnetism in LuFe₂ and ScFe₂.
High Press. Res. 22 (2002) 189
- U. RUSCHEWITZ, K.-H. KLÖSS, C. BÄHTZ, M. KNAPP
Kinetische Untersuchungen zur Bildung von Ternären Übergangsmetallacetyliden.
Z. Anorg. Allg. Chemie 628 (2002) 2228
- W. RYBA-ROMANOWSKI, S. GOLAB, G. DOMINIAK-DZIK, P. SOLARZ
Eu³⁺ Luminescence and Gd³⁺ – Eu³⁺ Energy Transfer in K₅Li₂GdF₁₀:Eu³⁺.
Appl. Phys. A74 (2002) 581
- Y.I. SALAMIN, C.H. KEITEL
Electron Acceleration by a Tightly Focused Laser Beam.
Phys. Rev. Lett. 68 (2002) 095005
- T. SALDITT, C. LI, A. SPAAR, U. MENNICKE
X-Ray Reflectivity of Solid-Supported Multilamellar Membranes.
Eur. Phys. J. E7 (2002) 105

- T. SALDITT, U.S. SCHUBERT
Layer-by-Layer Self-Assembly of Supramolecular and Biomolecular Films.
Review of Molecular Biotechnology 90 (2002) 55
- E.L. SALDIN, E.A. SCHNEIDMILLER, M.V. YURKOV
Study of a Noise Degradation of Amplification Process in a Multistage HGHG FEL.
Opt. Commun. 202 (2002) 169
- H.G.O. SANDBERG, G.L. FREY, M.N. SHKUNOV, H. SIR-RINGHAUS, R.H. FRIEND, M.M. NIELSEN, C. KUMPF
Ultrathin Regio-Regular Poly(3-Hexylthiophene) Field Effect Transistors.
Zur Veröffentlichung in Langmuir
- D. SAVYTSKII, A. SENYSHYN, K. WITESKA, W. WIERZ-CHOWSKI, Z. FRUKACZ, U. BISMAYER, L. VASYLECHKO, A. MATKOVSKII
White Beam Synchrotron X-Ray Topography Studies of Twinning in GdFeO₃ Type Perovskite Crystals.
Zur Veröffentlichung in Z. Kristallogr.
- A. SCHIWEK, F. PORSCH, W.B. HOLZAPFEL
High Temperature – High Pressure Structural Studies of Cerium.
High Press. Res. 22 (2002) 407
- H. SCHLENZ et al.
Structure Analyses of Ba-Silicate Glasses.
J. Non-Cryst. Solids 297 (2002) 17
- R. SCHMID, M. WILKE, R. OBERHÄNSLI, S. DONG, K. JANSSENS, G. FALKENBERG, L. FRANZ, A. GAAB
Micro-XANES Determination of Ferric Iron and its Applications in Thermobarometry.
Zur Veröffentlichung in Lithos
- M. SCHMIDBAUER, M. HANKE, F. HATAMI, P. SCHÄFER, H. RAIDT, D. GRIGORIEV, T. PANZNER, W.T. MASSELINK, R. KÖHLER
Shape Induced Anisotropic Elastic Relaxation in InP/In_{0,48}Ga_{0,52}P Quantum Dots.
Physica E13 (2002) 1139
- M. SCHMIDBAUER, M. HANKE, R. KÖHLER
X-Ray Characterization of Self-Organized Mesoscopic Structures.
Cryst. Res. Techn. 37 (2002) 3
- M. SCHMIDBAUER, F. HATAMI, M. HANKE, P. SCHÄFER, K. BRAUNE, W.T. MASSELINK, R. KÖHLER, M. RAMSTEINER
Shape Mediated Anisotropic Strain in Self-Assembled InP/In_{0,48}Ga_{0,52}P Quantum Dots.
Phys. Rev. B65 (2002) 125320
- C. SCHMIDT, K. RICKERS
In-situ Determination of Mineral Solubilities in Fluids Using a Hydrothermal Diamond-Anvil Cell and SR-XRF: Solubility of AgCl in Water as an Example.
Zur Veröffentlichung in Am. Mineralogist
- C. SCHMIDT, T. SOWADE, E. LÖFFLER, A. BIRKNER, W. GRÜNERT
Preparation and Structure of In-ZSM-5 Catalysts for the Selective Reduction of NO by Hydrocarbons.
J. Phys. Chem. B106 (2002) 4085
- B. SCHÜPP, L. SCHRÖDER, H. SCHULTE, C. BÄHTZ, N. MATTERN, H.-L. KELLER
CS₂PdCl₄ – Neue Ergebnisse zu einer „altbekannten“ Verbindung.
Z. Anorg. Allg. Chemie 628 (2002) 1708
- B. SCHÜPP, C. SEKAR, G. AUFFERMANN, W. GRUNER, G. KRABBES
Kristallstrukturuntersuchung an der „5-Leg Spin Ladder“ Verbindung La₈Cu₇O₁₉.
Z. Anorg. Allg. Chemie 628 (2002) 2210
- P. SCHINDELMANN et al.
Radiative Decoupling and Coupling of Nuclear Oscillators by Stepwise Doppler-Energy Shifts.
Phys. Rev. A65 (2002) 023804
- J. SCHULZ, H. WABNITZ, P. GÜRTLER, W. LAASCH, A. SWIDERSKI, A.R.B. DE CASTRO, T. MÖLLER
Energy Absorption of Free Rare Gas Clusters Irradiated by Intense VUV Pulses from a Free-Electron Laser.
Zur Veröffentlichung in Nucl. Instrum. Methods
- J. SCHULZ, P. WERNET, K. GODEHUSEN, R. MÜLLER, P. ZIMMERMANN, M. MARTINS, B. SONNTAG
Linear Dichroism in the 4d Photoionization of Atomic Europium.
J. Phys. B: At. Mol. Opt. Phys. 35 (2002) 907
- S.P. SCHWENZER, C. TOMMASEO, M. KERSTEN, T. KIRNBAUER
Speciation and Oxidation Kinetics of Arsenic in the Thermal Springs of Wiesbaden Spa, Germany.
Zur Veröffentlichung in Fresenius J. Anal. Chem.
- C. SEDLMAIR
Catalytic Reduction of NO_x in Oxygen-Rich Gas Streams, Deactivation of NO_x Storage-Reduction Catalysts by Sulfur.
In: Materials Aspects in Automotive Catalytic Converters, H. Bode (Ed.), Wiley-VCH, Weinheim/D (2002) 223
- C. SEDLMAIR, K. SESHAN, A. JENTYS, J.A. LERCHER
Studies on the Deactivation of NO_x Storage-Reduction Catalysts by Sulfur Dioxide.
Catal. Today 75 (2002) 413
- O.H. SEECK, H.J. KIM, D.R. LEE, D. SHU, I.D. KAENDLER, J. BASU, S.K. SINHA
Observation of Thickness Quantization in Liquid Films Confined to Molecular Dimensions.
Europhys. Lett. 60 (2002) 376
- I. SERGUEEV, H. FRANZ, T. ASTHALTER, W. PETRY, U. VAN BÜRCK, G.V. SMIRNOV
Structural Relaxation in a Viscous Liquid Studied by Quasielastic Nuclear Forward Scattering.
Phys. Rev. B66 (2002) 184210

- T. SEYDEL, M. TOLAN, B.M. OCKO, O.H. SEECK, R. WEBER, E. DIMASI, W. PRESS
Freezing of Capillary Waves at the Glass Transition.
Phys. Rev. B65 (2002) 184207
- J. SHI, A. KLOCKE, M. ZHANG, U. BISMAYER
Graded Mineral Content and Temperature Evolution of Hydrrous Species in Human Dental Enamel.
Zur Veröffentlich. in Eur. J. Mineral.
- C. SHI, G. ZHANG, Y. WEI, Z. HAN, J. SHI, G. HU, M. KIRM, G. ZIMMERER
The Dynamics Properties on Luminescence of CeF₃ Crystals.
Surf. Rev. Lett. 9 (2002) 371
- YU.V. SHVYD'KO, E. GERDAU, M. LERCHE, M. LUCHT, H.-C. WILLE, E.E. ALP, P. BECKER
Sapphire X-Ray Resonator. First Experience and Results..
Zur Veröffentlich. in Hyperfine Interact.
- YU.V. SHVYD'KO, M. LERCHE, H.-C. WILLE, E. GERDAU, M. LUCHT, H.D. RÜTER, E.E. ALP, R. KHACHATRYAN
X-Ray Interferometry with Micro-Electronvolt Resolution.
Zur Veröffentlich. in Phys. Rev. Lett.
- YU.V. SHVYD'KO, M. LUCHT, E. GERDAU, M. LERCHE, E.E. ALP, W. STURHAHN, J. SUTTER, T.S. TOELLNER
Measuring Wavelengths and Lattice Constants with the Mößbauer Wavelength Standard.
J. Synchrotron Rad. 9 (2002) 17
- C. SICS, T.A. EZQUERRA, A. NOGALES, Z. DENCHEV, C. ALVAREZ, S.S. FUNARI
Poly(ethylene Naphthalene-2,6-Dicarboxylate) by Simultaneous Measurements of X-Ray Scattering and Dielectric Spectroscopy.
Zur Veröffentlich. in Polymer
- M. SIKORA, CZ. KAPUSTA, L. MAKSYMOWICZ, M. LU-BECKA, B. CIECIWA, M. BOROWIEC, D. ZAJAC, R. SZYM-CZAK, E. WELTER
EXAFS Study of Indium Doped Magnetic Semiconductor CdCr₂Se₄.
Zur Veröffentlich. in J. Alloys Compd.
- L. SIMON, J.G. VAN OMMEN, A. JENTYS, J.A. LERCHER
Sulfur Tolerance of Pt/Mordenites for Benzene Hydrogenation, Do Brønsted Acid Sites Participate in Hydrogenation?
Catal. Today 73 (2002) 105
- O. SIPR, A. SIMUNEK, S. BOCHAROV, G. DRAEGER
Polarized X-Ray Absorption Spectra of CuGeO₃ at the Cu and Ge K Edges.
Phys. Rev. B66 (2002) 155119
- W. SKROTZKI, R. TAMM, B. KLÖDEN, C.-G. OERTEL, L. WCISLAC, E. RYBACKI
Local Texture Measurements with High-Energy Synchrotron Radiation on NiAl Deformed in Torsion.
Mater. Sci. Forum 408 (2002) 161
- P. SOLARZ, G. DOMINIAK-DZIK, W. RYBA-ROMANOWSKI
Conversion of VUV to Visible in K₅Li₂LnF₁₀ Containing Rare Earth Ions (Ln=Pr,Gd).
Zur Veröffentlich. in J. Alloys Compd.
- V.L. SOLOZHENKO
Synchrotron Radiation Studies of Kinetics of cBN Crystalization in the NH₄F-BN System.
Phys. Chem. Chem. Phys. 4 (2002) 1033
- Synthesis of Novel Superhard Phases in the B-C-N System.
High Press. Res. 22 (2002) 519
- Synthesis of Turbostratic Carbon Nitride.
J. Superhard Mater. 24 (2002) 95
- V.L. SOLOZHENKO, E.G. SOLOZHENKO, P.V. ZININ, L.C. MING, J. CHEN, J.B. PARISE
Equation of State and Phase Stability of Turbostratic Carbon Nitride.
Zur Veröffentlich. in J. Phys. Chem. Solids
- C. SOLTSMANN, C. BEELI, R. LÜCK, W. GANDER
In-situ High-Temperature Powder Diffraction Study of Reversible Phase Transitions in Decagonal Al_{71.2}Co_{12.8}Ni₁₆.
Zur Veröffentlich. in J. Appl. Cryst.
- C. SOLTSMANN, C. BEELI, R. LÜCK, M. KNAPP, W. GANDER
High-Temperature Synchrotron Measurements of Decagonal Al-Co-N Quasicrystal Powders.
Zur Veröffentlich. in Acta Cryst. A
- T. SOWADE, C. SCHMIDT, F.-W. SCHÜTZE, H. BERNDT, W. GRÜNERT
Relations between Structure and Catalytic Activity of Ce-In-ZSM-5 Catalysts for the Selective Reduction of NO by Methane. I. The In-ZSM-5 System.
Zur Veröffentlich. in J. Catalysis
- C. SPIES, R. GEHRKE
Excimer Formation of Dimethyl 2,6-Naphthalene Dicarboxylate Embedded in a Poly(methylmethacrylate) Matrix.
J. Phys. Chem. A106 (2002) 5348
- C. SPIES, A. LORENC, R. GEHRKE, H.R. KRICHELDORF
Charge Transfer Interactions of N-(4-Carboxyphenyl)Trimellitimide Dibutyl Ester.
Zur Veröffentlich. in J. Phys. Chem. A
- Fluorescence of Copoly(ester-imides) Containing 2,6-Naphthoate Units.
Zur Veröffentlich. in Macromol. Chem. Phys.
- G. SPRINGHOLZ, V. HOLY, P. MAYER, M. PINCZOLITS, A. RAAB, R.T. LECHNER, G. BAUER, H. KANG, L. SALLAMANCA-RIBA
Selforganized Ordering in Selfassembled Quantum Dot Superlattices.
Mat. Sci. Eng. B88 (2002) 143
- J. STANGL, A. HESSE, T. ROCH, V. HOLY, G. BAUER, T. SCHUELLI, T.H. METZGER
Structural Investigation of Semiconductor Nanostructures by X-Ray Techniques.
Zur Veröffentlich. in Nucl. Instrum. Methods B

- J. STANGL, V. HOLY, G. SPRINGHOLZ, G. BAUER, I. KEGEL, T.H. METZGER
Selforganized Semiconductor Nanostructures: Shape, Strain and Composition.
Mater. Sci. Eng. C19 (2002) 349
- B. STEEG, S. JACOBI, R. SOBIERAJSKI, C. MICHAELSEN, J. FELDHAUS
Total Reflection Mirrors for VUV Free Electron Lasers.
Zur Veröffentlich. in *Nucl. Instrum. Methods A*
- N. STRIBECK
Utilising Spatial Frequency Filtering to Extract Nanoscale Layer Structure Information from Isotropic Small-Angle X-Ray Scattering Data.
Colloid Polym. Sci. 280 (2002) 254
- N. STRIBECK, R.K. BAYER, G. VON KROSIGK, R. GEHRKE
Nanostructure Evolution of Oriented High-Pressure Injection-Molded Poly(ethylene) during Heating.
Polymer 43 (2002) 3779
- N. STRIBECK, E. BUZDUGAN, P. GHIOCA, S. SERBAN, R. GEHRKE
Nanostructure Evolution of SIS Thermoplastic Elastomers during Straining as Revealed by SAXS and 2D Chord Distribution Analysis.
Macromol. Chem. Phys. 203 (2002) 636
- N. STRIBECK, C. WUTZ
Layer Morphology of a Poly(ester Imide) LCP in Different Solid States.
Macromol. Chem. Phys. 203 (2002) 326
- C. SÜRGER, H.V. LÖHNEISEN, M.T. KELEMEN, E. DOR-MANN, M.S.S. BROOKS
Local Structural and Magnetic Properties of $Mn_5Si_3C_x$ Films.
J. Magn. Magn. Mater. 240 (2002) 3
- M. SULEIMAN, N.M. JISRAWI, O. DANKERT, M.T. REETZ, C. BÄHTZ, R. KIRCHHEIM, A. PUNDT
Phase Transition and Lattice Expansion during Hydrogen Loading of Nanometer Sized Palladium Clusters.
Zur Veröffentlich. in *J. Alloys Compd.*
- P. SUORTTI, T. TSCHENTSCHER
High-Energy X-Ray Scattering at Third-Generation Synchrotron Radiation Sources.
In: *Third-Generation Hard X-Ray Synchrotron Radiation Sources: Source Properties, Optics and Experimental Techniques*, D.M. Mills (Ed.), John Wiley & Sons, New York/USA (2002) 237
- A.I. SURDO, V.S. KORTOV, V.A. PUSTOVAROV, V.YU. YAKOVLEV
Transformation of the Excitation Energy in Anion-Defective Corundum.
Radiat. Prot. Dosim. 100 (2002) 171
- M. SZTUCKI, T.H. METZGER, I. KEGEL, A. TILKE, J.L. ROUVIERE, D. LÜBBERT, J. ARTHUR, J.R. PATEL
X-Ray Analysis of Temperature Induced Defect Structures in Boron Implanted Silicon.
J. Appl. Phys. 92 (2002) 3694
- N. TAKEUCHI, G. FALKENBERG, R.L. JOHNSON
The Low-Coverage Phases of Pb on Ge(001): Scanning Tunneling Microscopy and First-Principles Calculations.
Surf. Rev. Lett. 9 (2002) 1809
- M. TANAKA, M.F. SCHNEIDER, R. ZANTL, C. GEGE, R.R. SCHMIDT, M. RAPPOLT
Hydrophilic/Hydrophobic Balance Determines Morphology of Glycolipids with Oligolactose Head Groups.
Zur Veröffentlich. in *Biophys. J.* 84 (2002)
- C. TEXTOR, P.M. SACHS, H.F. GRAF, T.H. HANSTEEN
The Laacher See Eruption: Estimation of Volatiles in Magma and Simulation of their Fate in the Plume.
Zur Veröffentlich. in *Geol. Soc. London Spec. Publ.*
- M.E. THAN, S. HENRICH, R. HUBER, A. RIES, K. MANN, K. KUHN, R. TIMPL, G. P. BOURENKOV, H. D. BARTUNIK, W. BODE
The 1.9-Å Crystal Structure of the Noncollagenous (NC1) Domain of Human Placenta Collagen IV Shows Stabilization via a Novel Type of Covalent Met-Lys Cross-Link.
PNAS 99 (2002) 6607
- R. THEISSMANN, H. EHRENBERG, H. WEITZEL, H. FUESS
Nanostructured Cation Distribution in $FeNbO_4$: A Synchrotron Powder Diffraction and Transmission Electron Microscopy Investigation.
J. Mater. Sci. 37 (2002) 4431
- P. THURNER, B. MÜLLER, F. BECKMANN, T. WEITKAMP, C. RAU, R. MÜLLER, J. A. HUBBELL, U. SENNHÄUSER
Tomography Studies of 3T3 and Human Foreskin Fibroblasts on Polymer Yarns.
Zur Veröffentlich. in *Nucl. Instrum. Methods B*
- H. TIEMANN, I. SÖTJE, G. JARMS, C. PAULMANN, M. EPPLE, B. HASSE
Calcium Sulfate Hemihydrate in Statoliths of Deep-Sea Medusae.
J. Chem. Soc. Dalton Trans. (2002) 1266
- M. TISCHER, P. ILINSKI, U. HAHN, J. PFLÜGER, H. SCHULTE-SCHREPPING
Commissioning of Multi-Segmented Undulators at the TESLA X-Ray FEL.
Zur Veröffentlich. in *Nucl. Instrum. Methods A*
- Photon Diagnostics for the X-Ray FELs at TESLA.
*Nucl. Instrum. Methods A*483 (2002) 418
- H.K. TÖNSHOFF, J. PLÖGER
The Influence of the Macroscopic Surface Topography on Spatially Resolved Residual Stress Measurements.
Mater. Sci. Forum 404-407 (2002) 317
- B. TOMBERLI, C.J. BENMORE, J. NEUEFEIND, P.A. EGEL-STAFF
Isotopic Quantum Effects in the Structure of Liquid Ethanol.
Can. J. Phys. 80 (2002) 105

- C.E. TOMMASEO, M. KERSTEN
Aqueous Solubility Diagrams for Cementitious Waste Stabilization Systems. 3. Kinetics and Mechanism of Zinc Immobilization by Calcium Silicate Hydrate.
Environ. Sci. Technol. 36 (2002) 2919
- A. TRETNER, M. ISENBECK-SCHRÖTER, T.R. RÜDE
Oxidation of Arsenic III on Manganese Oxide and Iron Hydroxide Mineral Surfaces.
Zur Veröffentlich. in Environ. Sci. Technol.
- T. TRÖSTER, W.B. HOLZAPFEL
High Pressure Studies on Configuration Interactions of Pr³⁺ in Different Hosts.
Phys. Rev. B66 (2002) 075114
- V.R. TROLL, P.M. SACHS, H.-U. SCHMINCKE, M. SUMITA
REE-Ti Mineral Perrierite/Chevikinite in Comenditic Magmas from Gran Canaria/Spain: A SYXRF-Probe Study.
Zur Veröffentlich. in Contrib. Mineral. Petrol.
- M. TROMP, J.A. VAN BOKHOVEN, A.M. ARINK, J.H. BITTER, G. VAN KOTEN, D.C. KONINGSBERGER
Cu K-Edge EXAFS Characterisation of Copper(I) Arenethiolate Complexes in Both the Solid and Liquid State: Detection of Cu-Cu Coordination.
Zur Veröffentlich. in Chem. Eur. J.
- M. TROMP, J.A. VAN BOKHOVEN, R.J. VAN HAAREN, G.P.F. VAN STRIJDONCK, A.M.J. VAN DER EERDEN, P.W.N.M. VAN LEEUWEN, D.C. KONINGSBERGER
Structure-Performance Relations in Homogeneous Pd Catalysis by in situ EXAFS Spectroscopy.
Zur Veröffentlich. in J. Am. Chem. Soc.
- T. TSCHENTSCHER
Present and Future High Brilliance X-Ray Sources.
Acta Cryst. A58 (2002) C211
- Teaching the Principles and Applications of X-Ray Free-Electron Laser Radiation.
Acta Cryst. A58 (2002) C199
- X-Ray Free-Electron Laser Radiation as a New Source for Plasma Physics.
In: Inertial Fusion Sciences and Applications, K.A. Tanaka et al. (Eds.), Elsevier, Paris/F (2002) 1219
- D. UHRIKOVA, P. BALGAVY, G. RAPP
Lipid Bilayer Thickness and Surface Area in Lamellar Phases of Hydrated Mixtures of Dipalmitoylphosphatidylcholine and Homologs of Local Anesthetic Heptacaine.
Mol. Cryst. Liq. Cryst. 373 (2002) 1
- Condensed Lammellar Phase in Ternary DNA-DLCP-Cationic Gemini Surfactand System: A Small-Angle Synchrotron X-Ray Diffraction Study.
Bioelectrochemistry 58 (2002) 87
- A. UTZMANN, T.H. HANSTEEN, H.-U. SCHMINCKE
Trace Element Mobility during Sub-Seafloor Alteration of Basaltic Glass from ODP-Site 953 (off Gran Canaria).
Int. J. Earth Sciences 91 (2002) 661
- E. VAN DER KOLK, P. DORENBOS, C.W.E. VAN EIJK, A.P. VINK, C. FOUASSLER, F. GUILLEN
VUV Excitation and ISO Emission of Pr³⁺ in BaSiF₆ and Selectin Host Lattices with 1SOP₁³⁺ Emission.
J. Lumin. 17 (2002) 212
- V. VASHOOK, L. VASYLECHKO, M. KNAPP, H. ULLMANN, U. GUTH
Lanthanum Doped Calcium Titanate: Synthesis, Crystal Structure, Thermal Expansion and Transport Properties.
Zur Veröffentlich. in Solid State Ion.
- L. VASYLECHKO, S. FADIEYEV, N. RED'KO, M. BERKOWSKI
Crystal Structure of SmGaO₃ and Nd_{1-x}RE_xGaO₃ (RE=Pr,Sm) Solid Solutions.
Bull. Lviv Polytechn. Nat. Univ. Electr. 455 (2002) 21
- L. VASYLECHKO, A. MATKOVSKII, D. SAVYTSKII, M. BERKOWSKI, U. BISMAYER, I. SOLSKII, F. WALRAFEN
Crystal and Domain Structure of Rare-Earth Gallates and Aluminate.
Zur Veröffentlich. in Bull. Lviv Polytech. Nat. Univ. Electr.
- L. VASYLECHKO, D. SAVYTSKII, A. SENYSHYN, C. BÄHTZ, M. SANJUAN, U. BISMAYER, M. BERKOWSKI, A. MATKOVSKII
Low-Temperature Structural Studies on Rare-Earth Gallates.
Zur Veröffentlich. in Phys. Rev. B
- L. VASYLECHKO, W. SCHNELLE, U. BURKHARDT, R. RAMLAU, R. NIEWA, H. BORRMANN, K. HIEBL, Z. HU, YU. GRIN
Crystal Structure and Magnetic Behaviour of the Yb₄Ni_{10+x}Ga_{21-x} Phase.
Zur Veröffentlich. in J. Alloys Compd.
- L. VASYLECHKO, V. VASHOOK, D. SAVYTSKII, A. SENYSHYN, M. KNAPP, H. ULLMANN, M. BERKOWSKI, A. MATKOVSKII, U. BISMAYER
Anisotropy of Thermal Expansion, Crystal Structure and Conductivity of the La_{1-x}Sr_xGa_{1-2x}Mg_{2x}O_{3-y} (x = 0.05, 0.1) Single Crystals.
Zur Veröffentlich. in J. Solid State Chem.
- S. VIELHAUER, M. KIRM, V. KISAND, E. NEGODIN, E. SOMBROWSKI, B. STEEG, G. ZIMMERER
Excitonic Side Bands of Inner-Shell Excitations in Rare Gas Solids.
Surf. Rev. Lett. 9 (2002) 1333
- S. VIELHAUER, M. KIRM, V. KISAND, B. STEEG, A.N. VASIL'EV, G. ZIMMERER
Excitation Density and the Dynamics of Free Exciton Formation in Solid Xe and Kr.
Zur Veröffentlich. in J. Nonlinear Opt.
- L. VINCZE, F. WEI, K. PROOST, B. VEKEMANS, K. JANSSENS, Y. HE, Y. YAN, G. FALKENBERG
Suitability of Polycapillary Optics for Focusing of Monochromatic Synchrotron Radiation as Used in Trace Level Micro-XANES Measurements.
J. Anal. At. Spectrom. 17 (2002) 177

- A.P. VINK, P. DORENBOS, J.T.M. DE HAAS, H. DONKER, P.A. RODNYI, A.G. AVANESOV, C.W.E. VAN EIJK
Photon Cascade Emission in $\text{SrAlF}_5:\text{Pr}^{3+}$.
J. Phys.: Condens. Matter 14 (2002) 8889
- A.P. VINK, P. DORENBOS, C.W.E. VAN EIJK
Observation of the Photon Cascade Emission Process under $4f_15d_1$ and Host Excitation in Several Pr^{3+} -Doped Materials.
Zur Veröffentlich. in J. Solid State Chem.
- Thermal Population of the $4f_15d_1$ State in $\text{BaSO}_4:\text{Pr}^{3+}$.
Phys. Rev. B66 (2002) 075118
- A.P. VINK, E. VAN DER KOLK, P. DORENBOS, C.W.E. VAN EIJK
Luminescence Properties of Ce^{3+} in MSO_4 (M: Ca, Sr and Ba) and the Effect of Na^+Co -Doping.
Opt. Commun. 210 (2002) 277
- Opposite Parity $4f_{n-1}5d_1$ States of Ce^{3+} and Pr^{3+} in MSO_4 (M=Ca,Sr,Ba).
J. Alloys Compd. 341 (2002) 338
- A. VOLOSHINOVSKII, O. ANTONYAK, G. STRYGANYUK, P. DORENBOS, C.W.E. VAN EIJK, P. RODNYI
Spectral-Kinetic Study of LaCl_3Ce Crystals.
Ukrainian J. Phys. Opt. 3 (2002) 188
- A. VOLOSHINOVSKII, S. MYAGKOTA, A. GLOSKOVSKII, S. ZAZUBOVICH
Luminescence of CsPbCl_3 Microcrystals Dispersed in PbCl_2Cs Crystals Studied under High-Energy Excitation.
J. Lumin. 97 (2002) 198
- E.V.D. VON LOEF, P. DORENBOS, C.W.E. VAN EIJK, K.W. KRAMER, H.U. GUDEL
Scintillation and Spectroscopy of the Pure and Ce^{3+} Doped Elpasolites: $\text{Cs}_2\text{LiYX}_6:\text{Ce}^{3+}$ (X=Cl, Br).
J. Phys.: Condens. Matter 14 (2002) 8481
- K. VON HAEFTEN, T. LAARMANN, H. WABNITZ, T. MÖLLER
Bubble Formation and Decay in ^3He and ^4He Clusters.
Phys. Rev. Lett. 88 (2002) 233401
- Observation of Atomic-like Electronic Excitations in Pure ^3He and ^4He Clusters Studied by Fluorescence Excitation Spectroscopy.
Phys. Rev. Lett. 87 (2002) 153403
- H. WABNITZ et al.
Multiple Ionisation of Atom Clusters by Intense Soft X-Rays from a Free-Electron Laser Radiation.
Nature 420 (2002) 482
- M. WAGEMAKER, D. LÜTZENKIRCHEN-HECHT, P. KEIL, A.A. VAN WELL, R. FRAHM
Quasi-in-situ Reflection Mode EXAFS at the Ti K-Edge of Lithium Intercalated Rutile and Mixed Anatase/Rutile TiO_2 Thin Films.
Zur Veröffentlich. in Physica B
- A. WAGNER, R. FLAIG, D. ZOBEL, B. DITTRICH, P. BOMBICZ, M. STRÜMPPEL, P. LUGER, T. KORITSANSZKY, H.-G. KRANE
Structure and Charge Density of a C_{60} -Fullerene Derivative Based on a High Resolution Synchrotron Diffraction Experiment at 100 K.
J. Phys. Chem. A106 (2002) 6581
- S. WAKIMOTO, Y.J. KIM, M. VON ZIMMERMANN, J.M. TRANQUADA, S.-H. LEE, R.J. BIRGENEAU, N. ICHIKAWA, K.M. KOJIMA, S. UCHIDA
Effect of a Magnetic Field on the Spin- and Charge-Density Wave Order in $\text{La}_{1.45}\text{Nd}_{0.4}\text{Sr}_{0.15}\text{CuO}_4$.
Zur Veröffentlich. in Phys. Rev. B
- Z.-G. WANG, B. HSIAO, N. STRIBECK, R. GEHRKE
Nanostructure Evolution of Isotropic High-Pressure Injection-Molded UHMWPE during Heating.
Macromol. 35 (2002) 2200
- S. WARREN, A. REITZLE, A. KAZIMIROV, J.C. ZIEGLER, O. BUNK, L.X. CAO, F.U. RENNERT, D.M. KOLB, M.J. BEDZYK, J. ZEGENHAGEN
A Structure Study of Electrodeposited Au on Si(111).
Surf. Sci. 496 (2002) 287
- A. WASKOWSKA, L. GERWARD, J.S. OLSEN, E. MALICKA
Temperature and Pressure Induced Lattice Distortion in $\text{CdCr}_{2-x}\text{Ga}_x\text{Se}_4$.
Zur Veröffentlich. in J. Phys.: Condens. Matter
- L. WCISLAK, H. KLEIN, H.J. BUNGE, U. GARBE, T. TSCHENTSCHER, J.R. SCHNEIDER
Texture Analysis with High-Energy Synchrotron Radiation.
J. Appl. Cryst. 35 (2002) 82
- E. WECKERT
Novel Sources for Synchrotron Light.
Acta Phys. Pol. A101 (2002) 565
- E. WECKERT, R. MÜLLER, J. ZELLNER, I. ZEGERS, R. LORIS
Physical Measurement of Triplet Invariants: Present State of the Experiment, Data Evaluation and Future Perspectives.
Z. Kristallogr. 217 (2002) 651
- W. WEIGAND, C. KUMPF, A. BADER, C. SCHUMACHER, A. MÖGINGER, W. FASCHINGER, L.W. MOLENKAMP, E. UMBACH
Discret Mosaic „Spread“ at the Surface of ZnSe Layers on GaAs(001).
phys. stat. sol. (b) 229 (2002) 117
- I. WEISSBUCH, G. BOLBACH, H. ZEPIK, E. SHAVIT, M. TANG, J. FREY, T.R. JENSEN, K. KJAER, L. LEISEROWITZ, M. LAHAV
Oligopeptides with Homochiral Sequences Generated from Racemic Precursors That Spontaneously Separate into Enantiomorphous Two-Dimensional Crystalline Domains on Water Surface.
J. Am. Chem. Soc. 124 (2002) 9093

- I. WEISSBUCH, R. BULLER, K. KJÆR, J. ALS-NIELSEN, L. LEISEROWITZ, M. LAHAV
Crystalline Self-Assembly of Organic Molecules with Metal Ions at the Air-Aqueous Solution Interface. A Grazing Incidence X-Ray Scattering Study.
Colloids Surf. A208 (2002) 3
- P. WERNET, A. VERWEYEN, J. SCHULZ, B. SONNTAG, K. GODEHUSEN, R. MÜLLER, P. ZIMMERMANN, M. MARTINS
Combining High-Resolution Photoelectron Spectroscopy and Laser Polarization for a Study of the 4f and 5p Photoionization of Atomic Thulium.
J. Phys. B: At. Mol. Opt. Phys. 35 (2002) 3887
- M. WEYGAND, K. KJAER, P.B. HOWES, B. WETZER, D. PUM, U.B. SLEYTR, M. LÖSCHE
Structural Reorganization of Phospholipid Headgroups upon Recrystallization of an S-Layer Lattice.
J. Phys. Chem. B106 (2002) 5793
- J. WIENOLD, R.E. JENTOFT, T. RESSLER
Structural Investigation of the Thermal Decomposition of Ammonium Heptamolybdate by in situ XAFS and XRD.
Zur Veröffentlich. in Eur. J. Inorg. Chem.
- J. WIENOLD, O. TIMPE, T. RESSLER
In Situ Observation of Autosolification in Molybdenum Heteropoly Acid.
Zur Veröffentlich. in Angew. Chem. Int. Ed.
- W. WIERZCHOWSKI, K. WIETESKA, W. GRAEFF, A. BRZOWSKI, E. NOSSARZEWSKA-ORLOWSKA
Investigation of Lattice Strains in Layered Structures Containing Porous Silicon.
Acta Phys. Pol. A102 (2002) 283
- K. WIETESKA, W. WIERZCHOWSKI, W. GRAEFF, M. LEFELD-SOSNOWSKA, M. REGULSKA
Interference Fringes in the Plane Wave Topographic Images of Growth Bands in Si:Ge Crystals.
Acta Phys. Pol. A101 (2002) 729
- Studies of Growth Bands in Si:Ge Crystals.
Mater. Sci. Eng. B91-92 (2002) 462
- K. WIETESKA, W. WIERZCHOWSKI, W. GRAEFF, A. MISIUK, A. BARCZ, L. BRYJA, V.P. POPOV
X-Ray Synchrotron Studies of Nanostructure Formation in High Temperature – Pressure Treated Silicon Implanted with Hydrogen.
Acta Phys. Pol. A102 (2002) 239
- E. WILD, L. WANG, B. HASSE, T. WROBLEWSKI, G. GOERIGK, A. PYZALLA
Microstructure Alterations at the Surface of a Heavily Corrugated Rail with Strong Ripple Formation Wear.
Zur Veröffentlich. in Wear
- M. WILKE, R. BERNHARDT, G. PARTZSCH
Fe in Synthetic Basaltic Glass: Effect of Phosphorus – An X-Ray Absorption Spectroscopic Study.
Eur. J. Mineral. Beiheft 14 (2002) 174
- M. WILKE, R. SCHMID, R. OBERHÄNSLI, K. JANSSENS, G. FALKENBERG
Micro-XANES Determination of Ferric Iron in Phases of Ultra-High Pressure Rocks.
Eur. J. Mineral. Beiheft 14 (2002) 175
- S.B. WILKINS, P.D. SPENCER, T.A.W. BEALE, P.D. HATTON, M. VON ZIMMERMANN, S.D. BROWN, D. PRABHAKARAN, A.T. BOOTHROYD
Charge Ordering and Structural Distortions at Low Temperature in $\text{La}_{2-2x}\text{Sr}_{1+2x}\text{Mn}_2\text{O}_7$ with $x = 0.475$ and 0.5 .
Zur Veröffentlich. in Phys. Rev. B
- H.-C. WILLE, YU.V. SHVYD'KO, E. GERDAU, M. LERCHE, M. LUCHT, H.D. RÜTER, J. ZEGENHAGEN
Anomalous Isotopic Effect on the Lattice Parameter of Silicon.
Zur Veröffentlich. in Phys. Rev. Lett.
- H. WINKLER
Myoglobin and Related Biomolecular Systems Studied with Mößbauer Spectroscopy and Nuclear Forward Scattering.
Zur Veröffentlich. in Hyperfine Interact.
- M. WINTERER
Nanocrystalline Ceramics – Synthesis and Structure.
In: Nanocrystalline Ceramics – Synthesis and Structure, R.M. Osgood et al. (Eds.), Springer, Materials Science 53 (2002) 260
- M. WINTERER, B. DELAPLANE, R. MCGREEVY
X-Ray Diffraction, Neutron Scattering and EXAFS Spectroscopy of Monoclinic Zirconia: Analysis by Rietveld Refinement and Reverse Monte Carlo Simulations.
J. Appl. Cryst. 35 (2002) 434
- G. WIRNSBERGER, B. PILLEP, A. POPITSCH, P. KNOLL, P. BEHRENS
Probing the Limit of Weak Host-Guest Interactions: Insertion Compounds of Mercury(II) Halides with Microporous SiO_2 Hosts.
Chem. Eur. J. 8 (2002) 3927
- M. WISNIEWSKA, D. WISNIEWSKI, A.J. WOJTOWICZ, S. TAVERNIER, T. LUKASIEWICZ, Z. FRUKACZ, Z. GALAZKA, M. MALINOWSKI
Luminescence and Scintillation Properties of YAG:Pr.
Trans. Nucl. Sci. 49 (2002) 926
- D. WISNIEWSKI, S. TAVERNIER, P. DORENBOS, M. WISNIEWSKA, A.J. WOJTOWICZ, P. BRUYNDONCKX, E. VAN LOEF, C.W.E. VAN EIJK, L.A. BOATNER
VUV Scintillation of LuPO_4Nd and YPO_4Nd .
Trans. Nucl. Sci. 49 (2002) 937
- D. WISNIEWSKI, S. TAVERNIER, A.J. WOJTOWICZ, M. WISNIEWSKA, P. BRUYNDONCKX, P. DORENBOS, E. VAN LOEF, C.W.E. VAN EIJK, L.A. BOATNER
 LuPO_3Nd and YPO_3Nd – New Promising VUV Scintillation Materials.
Nucl. Instrum. Methods A486 (2002) 239

- P. WOBRAUSCHEK, G. PEPPONI, C. STRELI, C. JOKUBONIS, G. FALKENBERG, W. OSTERODE
SR-XRF Investigation of Human Bone.
Adv. X-Ray Anal. 45 (2002) 478
- A.J. WOJTOWICZ
Rare-Earth-Activated Wide Bandgap Materials for Scintillators.
Nucl. Instrum. Methods A486 (2002) 201
- A.J. WOJTOWICZ, P. BRUYNDONCKX, W. DROZDOWSKI, Z. GALAZKA, J. GLODO, T. LUKASIEWICZ, P. SZUPRYCZYNSKI, S. TAVERNIER, M. WISNIEWSKA, D. WIESNIEWSKI
Traps and Recombination Centers in $\text{YAlO}_3\text{:Ce,Co}$.
Nucl. Instrum. Methods A486 (2002) 482
- T. WROBLEWSKI
MAXIM – A Novel Method for the X-Ray Imaging of Strain.
Mater. Sci. Forum, 404-407 (2002) 121
- Self-Organized Criticality – A Model for Recrystallization?
Zur Veröffentlich. in Z. Metallkd.
- D. WRUCK, R. BOYN, M. WIENECKE, F. HENNEBERGER, U. TROPPEZ, B. HÜTTL, W. BOHNE, B. REINHOLD, H.-E. MAHNKE
The Configuration of Cu Centers in Electroluminescent SrS:Cu Phosphors: An X-Ray Absorption Fine Structure and Optical Study.
J. Appl. Phys. 91 (2002) 2847
- P.F. XING, Y.X. ZHUANG, W.H. WANG, L. GERWARD, J.Z. JIANG
Crystallization Kinetics and Pressure Effect on Crystallization of ZrNbCuNiBe Bulk Metallic Glass.
J. Appl. Phys. 91 (2002) 4956
- G. YALOVEGA, A.V. SOLDATOV, M. RIEDLER, A. KOLMAKOV, C. NOWAK, T. MÖLLER
Geometric Structure of $(\text{NaCl})_4$ Clusters Studied with XANES at the Chlorine L-Edge and at the Sodium K-Edge.
Chem. Phys. Lett. 356 (2002) 23
- X. YANG, F.C. JENTOFT, R.E. JENTOFT, F. GIRGSDIES, T. RESSLER
Sulfated Zirconia with Ordered Mesopores as an Active Catalyst for N-Butane Isomerization.
Catal. Lett. 81 (2002) 25
- R. ZAEPER, M. RICHWIN, D. LÜTZENKIRCHEN-HECHT, R. FRAHM
A Novel Crystal Bender for X-Ray Synchrotron Radiation Monochromators.
Rev. Sci. Instrum. 73 (2002) 1564
- S. ZAZUBOVICH, A. VOLOSHINOVSKII, G. STRYGANYUK
Luminescence of CsCl:TI Crystal under Synchrotron Excitation.
phys. stat. sol.(b) 233 (2002) 238
- H. ZEPIK, E. SHAVIT, M. TANG, T.R. JENSEN, K. KJAER, G. BOLBACH, L. LEISEROWITZ, I. WEISSBUCH, M. LAHAV
Chiral Amplification of Oligopeptides in Two-Dimensional Crystalline Self-Assemblies on Water.
Science 295 (2002) 1266
- M. ZHANG, E.K.H. SALJE, U. BISMAYER
Metamictization and Recrystallization of Titanite: An Infrared Spectroscopic Study.
Am. Mineralogist 87 (2002) 882
- G.B. ZHANG, H.J. ZHOU, C.S. SHI, J.Y. SHI, Y.X. ZHOU, X.Y. ZHANG, Z.X. FU, M. KIRM, G. ZIMMERER
Temperature and Time Dependence of Emission Properties of ZnO Films Deposited on Si Substrates.
Surf. Rev. Lett. 9 (2002) 699
- Z. ZHONG, O. AMBACHER, A. LINK, V. HOLY, J. STANGL, R.T. LECHNER, T. ROCH, G. BAUER
Influence of GaN Domain Size on the Electron Mobility of Two-Dimensional Electron Gases in AlGaIn/GaN Heterostructures Determined by X-Ray Reflectivity and Diffraction.
Zur Veröffentlich. in Appl. Phys. Lett.
- M. ZUPANCIC, I. ARCON, P. BUKOVEC, A. KODRE
A Physico-Chemical Study of the Interaction of Cobalt(II) Ion with Ciprofloxacin.
Acta Croatica Chem. 75 (2002) 1
- Veröffentlichte Vorträge**
- F. BECKMANN
Microtomography Using Synchrotron Radiation as a User Experiment at Beamlines BW2 and BW5 of HASYLAB at DESY.
Proc. of SPIE 4503 „Developments in X-Ray Tomography III“ (2002) 34
- M.B. CASU, P. IMPERIA, B. SCHULZ, S. SCHRADER
Band Mapping and Frontier Orbitals at the Interface Thin Native SiO_2 /Organics.
Proc. of SPIE 4800 „Organic Light-Emitting Materials and Devices“ (2002)
- Electronic Structure of Aromatic 1,3,4-Oxadiazoles.
Proc. of the Int. School of Physics „Enrico Fermi“, Bologna/I (2002)
- W.M. CHEN, P.J. MCNALLY, K. JACOBS, T. TUOMI, A.N. DANILEWSKY, D. LOWNEY, J. KANATHARANA, L. KNUUTTILA, J. RIIKONEN
White Beam Synchrotron X-Ray Topography and X-Ray Diffraction Measurements of Epitaxial Lateral Overgrowth of GaN.
Proc. Sympos. Mat. Res. Soc. 693 (2002) 141
- W.M. CHEN, P.J. MCNALLY, J. KANATHARANA, D. LOWNEY, K. JACOBS, T. TUOMI, L. KNUUTTILA, J. RIIKONEN, J. TOIVONEN
Tilted Wing Induced Stress Distribution in Epitaxial Overgrown GaN.
Proc. of the 4th Int. Conf. on Materials for Microelectronics and Nanoengin. (MFMN), Espoo/FIN (2002) 33

- W.M. CHEN, P.J. MCNALLY, A.F.W. WILLOUGHBY, T. TUOMI
Stress Characterization of Device Layers and the Underlying
Si_{1-x}Ge_x Virtual Substrate with High Resolution Micro-Raman
Spectroscopy.
Proc. of the 4th Int. Conf. on Materials for Microelectronics and
Nanoengin. (MFMN), Espoo/FIN (2002) 307
- F. DUBUS, U. BONSE, T. BIERMANN, M. BARON, F. BECK-
MANN, M. ZAWISKY
Tomography Using Monochromatic Thermal Neutrons with Atte-
nuation and Phase Contrast.
Proc. of SPIE 4503 „Developments in X-Ray Tomography III“
(2002) 359
- E. FIEDLER, S. THORELL, T. SANDALOVA, R. GOLBIK, S.
KÖNIG, G. SCHNEIDER
Snapshot of a Key Intermediate in Enzymatic Thiamin Cata-
lysis: Crystal Structure of the alpha-Carbanion of alpha/beta-
Dihydroxyethyl-Thiamin Diphosphate in the Active Site of Trans-
ketolase from *Saccharomyces Cerevisae*.
Proc. Natl. Acad. Sci. USA 99 (2002) 591
- P.J. GRIFFITHS, M.A. BAGNI, B. COLOMBINI, H. AME-
RITSCH, S. BERNSTORFF, C.C. ASHLEY, G. CECCHI
Changes in Myosin S1 Orientation and Force Induced by a Tem-
perature Increase.
Proc. Natl. Acad. Sci. USA 99 (2002) 5384
- J. GROCHOWSKI, W. PASZKOWICZ (Eds.)
Synchrotron Crystallography – From Source to Application.
Proc. of the Int. Sympos. on Synchrotron Crystallography, Kry-
nica-Czarny Potok/PL (2001) (Acta Phys. Pol. A101 (2002) 565)
- S. JACOBI, B. STEEG, J. WIESMANN, M. STÖRMER, F. FELD-
HAUS, C. MICHAELSEN
Characterization of Amorphous Carbon Films as Total-Reflection
Mirrors for XUV Free Electron Lasers.
Proc. of the SPIE Int. Sympos. on Optical Science and Technology,
Seattle/USA (2002)
- L.I. JOHANSSON, C. VIROJANADARA, T. EICKHOFF, W.
DRUBE
Angle Resolved Photoemission Studies of SiO₂/SiC Samples.
Angle Resolved Studies of SiO₂/SiC Samples.
Proc. of the Eur. Conf. on Silicon Carbide and Related Mater.
(ECSCRM 2002), Linköping/S (2002)
- L. JUHA et al.
Ablation of Organic Polymers and Elemental Solids Induced by
Intense XUV Radiation.
Proc. of the 8th Int. Conf. XRI, Aspen/USA (2002), J.J. Rocca
et al. (Eds.) (AIP Conf. Proc. 641 (2002) 504)
- N.M. KHAIDUKOV, N.YU. KIRIKOVA, M. KIRM, J.C. KRUPA,
V.N. MAKHOV, E. NEGODIN, G. ZIMMERER
Inter- and Intraconfigurational Luminescence of LiYF₄:Er³⁺ under
Selective VUV Excitation.
Proc. of SPIE 4766 (2002) 154
- N. KOCH, J. GHIJSEN, R. RUIZ, J. PFLAUM, R.L. JOHNSON,
J.-J. PIREAUX, J. SCHWARZ, A. KAHN
Interaction and Energy Level Alignment at Interfaces between
Pentacene and Low Work Function Metals.
Proc. of the Mater. Res. Soc. Sympos. 708 (2002) BB2.4.1
- J. KÖHLER, G. WINKLER, I. SCHULTE, T. SCHOLZ, W.
MCKENNA, B. BRENNER, T. KRAFT
Mutation of the Myosin Converter Domain Alters Cross-Bridge
Elasticity.
Proc. Natl. Acad. Sci. USA 99 (2002) 3557
- B. MÜLLER et al.
Non-Destructive Three-Dimensional Evaluation of Biocompatible
Materials by Microtomography Using Synchrotron Radiation.
Proc. of SPIE 4503 „Developments in X-Ray Tomography III“
(2002) 178
- C. PIETZKER, E. RUDIGIER, D. BRÄUNIG, R. SCHEER
Laser Light Scattering and Real-Time XRD-Studies on the Se-
quential Formation of CuInS₂ Films: Towards a Simple and Stable
Process Control.
Proc. of the EPSEC, München/D, NcNelis et al. (Eds.), WIP Publ.
München/D (2002) 1031
- D. POSPIECH, L. HÄUSSLER, D. JEHNICHEN, W. KOLLIG,
K. ECKSTEIN, K. GRUNDKE
Bulk and Surface Properties of Blends with Semifluorinated Po-
lymers and Block Copolymers.
Synthesis and Characterization of Semifluorinated Polymers and
Block Polymers.
Proc. of the Macromol. Sympos., Hamburg/D (2002)
- V. PUSTOVAROV
Vacuum Ultraviolet Spectroscopy of Advanced Optical and De-
tector Materials.
Proc. of the 3rd Urals Workshop on Advanced Scintillation and
Storage Optical Materials, Ekaterinburg/RUS (2002)
- J. RÖHLER
C-Axis Intra-Layer Couplings in the CuO₂ Planes of High-T_c
Cuprates.
Proc. of the NATO Adv. Res. Workshop on Concepts in Electron
Correlation, Hvar/HR (2002)
- S. SCHRADER, M.B. CASU, P. IMPERIA, M. JANDKE, P.
STROHRIEGL
Electronic Structure and Localised States in Starburst Trisphenyl-
quinoxaline.
Proc. of SPIE (2002)
- O.H. SEECK
Capillary Waves on Polymer Thin Films.
In: Soft Matter: Complex Materials on Mesoscopic Scales, J. Dhont
et al. (Eds.) FZ Jülich/D, 10 (2002) 7
- B.V. SHULGIN, V.A. PUSTOVAROV, V.I. ARBUZOV, D.V. RAI-
KOV
The Time-Resolved VUV-Spectroscopy of Li₂O-MgO-SiO₂-Ce³⁺
Glasses Composition.
Proc. of the 3rd Urals Workshop on Advanced Scintillation and
Storage Optical Materials, Ekaterinburg/RUS (2002)

K. TIEDTKE

Gigawatt, Femtosecond VUV Pulses from a SASE FEL: Photon Beam Characterisation and First Applications.

Proc. of the 8th Int. Conf. XRI, Aspen/USA (2002), J.J. Rocca et al. (Eds.) (AIP Conf. Proc. 641 (2002) 379)

U. VOGEL, F. BECKMANN, T. ZAHNERT, U. BONSE

Microtomography of the Human Middle and Inner Ear.

Proc. of SPIE 4503 „Developments in X-Ray Tomography III“ (2002) 146

S. WARREN, J. ZEGENHAGEN, T.L. LEE, A. KAZIMIROV, A. REITZLE, D.-M. KOLB, F. MAROUN, P. ALLONGUE

X-Ray Structural Analysis of Semiconductor Electrolyte Interfaces. Proc. of the Int. Conf. of the Physics at Surfaces and Interfaces, Puri/IND, World Sci. Press (2002)

V. WEISS, R. MIENTUS, K. ELLMER

Texture of Polycrystalline MoS_x Thin Films Magnetron Sputtered from a Metallic Target in Ar-H₂S Atmospheres.

In: Magnetic and Electronic Films – Microstructure, Texture and Application to Data Storage, P.W. DeHaven et. al. (Eds.) (MRS Sympos. Proc. 721 (2002) 131)

D. WISNIEWSKI, A.J. WOJTOWICZ, W. DROZDOWSKI, J.M. FARMER, L.A. BOATNER

Rb₃Lu(PO₄)₂Ce and Cs₃Lu(PO₄)₂Ce: New Promising Scintillator Materials.

Proc. of ICSSC 2002, Zakopane/PL (2002)

A.J. WOJTOWICZ, K. NEYTS, W. DROZDOWSKI, P. SZUPRYCZYNSKI

Vacuum Ultraviolet Studies of Luminescent Centers in SrS Layers Doped with Cerium and Yttrium.

Proc. of the Int. Conf. on Sci. Technol. Emissive Displays and Lighting, K. Neyts et al. (Eds.), Academia Press & Ghent Univ. (2002) 69

A.J. WOJTOWICZ, D. WISNIEWSKI, W. DROZDOWSKI, J.M. FARMER, L.A. BOATNER

Vacuum Ultraviolet Studies of New Phosphor Material, Rb₃Lu(PO₄)₂Ce.

Proc. of the Int. Conf. on Sci. Technol. Emissive Displays and Lighting, K. Neyts et al. (Eds.), Academia Press & Ghent Univ. (2002) 73

Weitere Vorträge wurden von HASYLAB-Mitarbeitern auf folgenden Konferenzen und Tagungen gehalten:

24th Int. Free Electron Laser Conf. & 9th FEL Users Workshop, Argonne/USA (2002)

X-Top, Aussois/F (2002)

Wilhelm und Else Heraeus-Seminar on Highly Correlated States in Molecules, Atoms and Nuclei, Bad Honnef/D (2002)

Bioprocessing Workshop Merck KGaA: Neue Methoden und Anwendungen, Berlin/D (2002)

Eur. Conf. on Energy-Dispersive X-Ray Spectrometry, Berlin/D (2002)

Jahrestg. der Dt. Pharmazeutischen Gesellschaft, Berlin/D (2002)

Tag der Wissenschaft im Automobil Forum, Berlin/D (2002)

FEL Workshop, MIT Bates Lab., Boston/USA (2002)

The Physics Congress, Brighton/GB (2002)

5th Int. Congress on Cosmetics and Household Chemicals, Budapest/H (2002)

14th Int. Biophysics Congress, Buenos Aires/RA (2002)

34th Polish-Wide Sympos. on Catalysis, Cracow/PL (2002)

9th Int. Conf. on Multiphoton Processes, Crete/GR (2002)

Experiment and Theory in Polymer Science, Dresden/D (2002)

Int. Workshop on Nanostructures for Electronics and Optics, Dresden/D (2002)

Jahrestg. der Dt. Ges. für Biophysik, Dresden/D (2002)

53rd Ann. Meeting of the Int. Soc. of Electrochemistry, Düsseldorf/D (2002)

40th Europ. High-Pressure Research Group Meeting, Edinburgh/GB (2002)

26th Int. Conf. on the Physics of Semiconductors (ICPS26), Edinburgh/GB (2002)

Int. Workshop on Scientific Applications of Energy-Recovery-Linac-Driven Synchrotron Light Sources, Erlangen/D (2002)

5th Int. Sympos. on Biomaterials: Fundamentals and Clinical Applications, Essen/D (2002)

8th Int. Conf. on Plasma Surface Engineering, Garmisch-Partenkirchen/D (2002)

2nd Conf. on the Elementary Processes in Atomic Systems, Gdansk/PL (2002)

19th Congress and General Assembly of the Int. Union of Crystallography, Geneva/CH (2002)

Int. Conf. on Superconductivity, Giens/F (2002)

15th Annual Meeting of the IEEE Lasers & Electro-Optics Society, Glasgow/GB (2002)

Int. Workshop on Lipid-Peptide/Lipid-Protein Interactions, Goma-dingen/D (2002)

Fibers and Polymers, Grenoble/F (2002)

REFILL, Grenoble/F (2002)

Jahrestg. der Ges. für Biochemie und Molekularbiologie, Halle/D (2002)

- GdCH-Workshop, Hamburg/D (2002)
- Materialwissenschaften, Hamburg/D (2002)
- Workshop on Application of Synchrotron Radiation in Chemistry, Hamburg/D (2002)
- Int. Workshop on Photoionization, Hyogo/J (2002)
- 7th Int. Otto Schott Colloquium, Jena/D (2002)
- 9th Int. Conf. on the Crystallization of Biological Macromolecules (ICCBM-9), Jena/D (2002)
- 11th Annual Fibre Diffraction and Non-Crystalline Diffraction Workshop, Keele/GB (2002)
10. Jahrestg. der Dt. Ges. für Kristallographie (DGK), Kiel/D (2002)
- 3rd Int. Conf. on Inorganic Materials, Konstanz/D (2002)
- Conf. of the Physiological Soc., Liverpool/GB (2002)
- 1st Workshop of Young European Scientists (YES), Lodz/PL (2002)
- ESF Workshop on Atomic Physics with High-Frequency Short-Pulse Sources, Lund/S (2002)
- 8th Int. Conf. on Crystal Chemistry of Intermetallic Compounds, Lviv/UA (2002)
- NANO-7 / Ecos 21, Malmö/S (2002)
- 11th Int. Conf. on Solid Films and Surfaces (ICSFS11), Marseille/F (2002)
- Gordon Res. Conf. on Res. at High Pressure, Meriden/USA (2002)
- Int. Conf. on Electron and Photon Impact Ionisation and Related Topics, Metz/F (2002)
- AGICHEM, München/D (2002)
- Workshop on New Opportunities in Ultrafast Science Using X-Rays, Napa/USA (2002)
- Netherlands' Catalysis and Chemistry Conf. III (NCCCIII), Noordwijkerhout/NL (2002)
- 13th Int. Sympos. on Non-Oxide Glasses and New Optical Glasses (ISNOG13), Pardubice/CZ (2002)
- NEDO Europe-Japan Meeting on Intelligent CT Materials, Rennes/F (2002)
- 19th Int. Conf. on X-Ray and Inner-Shell Processes, Rome/I (2002)
- Decimo Convegno SILS, Rome/I (2002)
- Electroceramics VIII, Rome/I (2002)
- Workshop INFM on Fisica Atomica e Molecolare e Luce di Sincrotrone, Rome/I (2002)
- 1st Int. Workshop on Spinel Nitrides and Related Materials, Rudesheim/D (2002)
- Joint Working Session on Residual Stress, Saarbrücken/D (2002)
- 46th Ann. Meeting of the Biophys. Soc., San Francisco/USA (2002)
- AGU Fall Meeting, San Francisco/USA (2002)
- Int. Sympos. on Optical Sci. and Technol., Seattle/USA (2002)
- China-German Sympos. on High-Intensity Lasers, Shanghai/PRC (2002)
- Europ. Conf. ESS, Sheffield/GB (2002)
- Synchrotron Radiation in Polymer Science II, Sheffield/GB (2002)
- 78th Congr. of the Europ. Orthodontic Soc. (EOS), Sorrento/I (2002)
- 104th Ann. Meeting of the Am. Ceramic Soc., St. Louis/USA (2002)
- 14th Int. Sympos. on Boron, Borides and Related Compounds, St. Petersburg/RUS (2002)
- Europ. Mater. Res. Soc. Spring Meeting, Strasbourg/F (2002)
- Int. Sympos. on Future Trends in Time-Resolved and Coherent X-Ray Physics, Stuttgart/D (2002)
- Structural Biology Network, 6th Ann. Conf., Taellberg/S (2002)
- 7th Int. Conf. on Surface X-Ray and Neutron Scattering, Tahoe City/USA (2002)
- Frontiers for Synchrotron Research on Soft Matter and Biomaterials Workshop, Tarrytown, New York/USA (2002)
- MATERIAUX, Tours/F (2002)
- 8th Europ. Powder Diffraction Conf. (EPDIC-8), Uppsala/S (2002)
- 30th Int. School on Physics of Semiconducting Compounds, Ustron-Jaszowiec/PL (2002)
- 31st Int. School on Physics of Semiconducting Compounds, Ustron-Jaszowiec/PL (2002)
- 6th Int. School and Sympos. on Synchrotron Radiation in Natural Science, Ustron-Jaszowiec/PL (2002)
- 12th Int. Conf. on Small Angle Scattering, Venice/I (2002)
- Dept. of Energy Workshop on Int. Collab. on XFELs and Sciences, Washington/USA (2002)
36. Jahrestg. Dt. Katalytiker, Weimar/D (2002)
- Int. Sympos. „Knochenersatzstoffe“, Wien/A (2002)

13th Conf. of the Europ. Soc. of Biomechanics (ESB), Wroclaw/PL (2002)

Europhys. Conf. on Defects in Insulating Materials, Wroclaw/PL (2002)

2nd Int. Conf. on Physics and Applications of Spin Related Phenomena in Semiconductors, Würzburg/D (2002)

Conf. on Electron Density: Measurement, Calculation, Application, Würzburg/D (2002)

E-MRS Fall Meeting, Sympos. on Solid Solutions of the II-VI Compounds – Growth, Characterisation and Application, Zakopane/PL (2002)

9th Int. Sympos. on Experimental Mineralogy, Petrology and Geochemistry, Zürich/CH (2002)

Habilitationen

R. RÖHLSBERGER
Nuclear Condensed Matter Physics Using Synchrotron Radiation.
Univ. Rostock/D (2002)

YU. SHVYD'KO
X-Ray Resonators and other Applications of Bragg Backscattering.
Univ. Hamburg/D (2001)

S.B. WILKINS
Charge and Spin Correlations in Transition Metal Oxides.
Univ. of Durham/GB (2002)

Dissertationen

K. ANDULEIT
Konzeptionelle und Experimentelle Entwicklung einer Holographischen Methode in der Röntgenstrukturanalyse.
Univ. Hamburg/D (2002)
DESY-THESIS-2002-014

A. BERNHARD
Untersuchungen zu martensitischen Phasenübergängen in dünnen Schichten mittels elastischer und unelastischer Kernresonanzstreuung.
Univ. Rostock/D (2002)

C. BOSTEDT
Electronic Structure of Germanium Nanocrystal Films Probed with Synchrotron Radiation.
Univ. Hamburg/D (2002)

M.T. DONATH
Aufbau und Test eines Fluoreszenzanalysators für die reziproke Röntgenholographie.
Univ. Hamburg/D (2002)
DESY-THESIS-2002-019

M. DORNHEIM
Spannungen, Dehnungen und Lage der Phasengrenzen in dünnen Nb- und Y-Schichten bei Wasserstoffbe- und -entladung.
Univ. Göttingen/D (2002)

A.C. DÜRR
Growth and Structure of DIP Thin-Films and Au Contacts on DIP Thin-Films.
Univ. Stuttgart/D (2002)

T. EICKHOFF
Photoemissionsuntersuchungen an vergrabenen Grenzschichten SiO₂/Si, SiO₂/SiC und Thiolen auf Gold mit 3.0–5.5 keV Röntgenstrahlung.
Univ. Hamburg/D (2002)
DESY-THESIS-2002-043

E. FIEDLER
Kinetische und Strukturelle Untersuchungen zur Donorsubstrat- und Ligandenbindung an Transketolase aus *Saccharomyces cerevisiae*.
Martin-Luther-Univ. Halle-Wittenberg/D (2002)

O. GESSNER
Untersuchung der Photoionisationsdynamik räumlich orientierter Moleküle in der Gasphase.
TU Berlin/D (2002)

M. HANKE
Streuung von Röntgenstrahlen an selbstorganisierten Halbleiter-Inselstrukturen.
Humboldt-Univ. Berlin/D (2002)

M. HARTL
Röntgenadsorptionsspektroskopische Untersuchungen an kleinen anorganischen Bausteinen in komplexen Matrices.
Univ. Hannover/D (2002)

A. JOBST
Bestimmung der modulierten Strukturen von (LaS)_{1.13}TaS₂ und (LaS)_{1.14}NbS₂ mittels hochauflösender Röntgenbeugung und Charakterisierung der Bindung zwischen den Teilsystemen.
Univ. Bayreuth/D (2002)

K. JOKELA
The Structure of Polymer Based Ion Exchange Membranes and Catalysts by WAXS and SAXS.
Univ. of Helsinki/FIN (2002)

P. KAPPEN
Multi-Element-Silizium-Drift-Detektoren zur Untersuchung von Katalysatoren sowie Photonen-Interferenz-Absorptionsspektroskopie als neue Methode.
Univ. Hamburg/D (2002)
DESY-THESIS-2002-021

M. KNAPP
Weiterentwicklung und Anwendung diffraktometrischer Methoden zur Materialcharakterisierung mit Synchrotronstrahlung.
TU Darmstadt/D (2002)

B. KRAUSE

Growth and Structure of the Organic Molecule PTCDA on Ag(111).
Univ. Stuttgart/D (2002)

C. KREIS

Heteroepitaxial Growth and Electronic Structure of Transition
Metal Dichalcogenide Clusters and Ultrathin Films.
Christian-Albrechts-Univ. Kiel/D (2002)

T. LAU

Magnetische Eigenschaften kleiner massenselektierter Übergangs-
metallcluster.
Univ. Hamburg/D (2002)
DESY-THESIS-2002-016

A. LORENC

Charakterisierung von Charge-Transfer-Wechselwirkungen in
Copoly(ester-imiden).
Univ. Hamburg/D (2002)

D. LOWNEY

Analysis of the Structural and Optoelectronic Properties of Semi-
conductor Materials and Devices Using Photoacoustic Spectro-
scopy and Synchrotron X-Ray Topography
(Master of Engineering Thesis).
Univ. of Dublin/IRL (2002)

M. LUKESOVA

Effects of Normal Higher Alcohols on Structural Changes of Model
Dipalmitoylphosphatidylcholine Membranes: A Synchrotron X-
Ray Diffraction. (In Slovak)
Comenius Univ. Bratislava/SLO (2002)

B.I. MOSQUEDA JIMENEZ

Reduction of Nitrogen Oxides over Zeolite Supported Ni Catalysts.
Univ. of Twente, Enschede/NL (2002)

F. PFEIFFER

X-Ray and Neutron Waveguides.
Univ. des Saarlandes, Saarbrücken/D (2002)

J. PLÖGER

Randzonenbeeinflussung durch Hochgeschwindigkeitsdrehen.
Univ. Hannover/D (2002)

L. PLUCINSKI

Bulk and Surface Electronic Structure of Gallium Nitride and Zinc
Selenide.
Univ. Hamburg/D (2002)
DESY-THESIS-2002-046

K. QUAST

Der experimentelle Nachweis des nuklearen Leuchtturmeffekts
und erste Anwendungen.
Univ. Rostock/D (2002)

C. ROTH

Structural and Electrochemical Characterization of Carbon-
Supported Pt-Ru and Pt-Ru-W Catalysts for PEM Fuel Cell Ap-
plications.
TU Darmstadt/D (2002)

A. SCHLEY

Development of New Methods of Measurement in Atomic Re-
solution Holography and the Influence of the Crystalline Sample
Structure on the Holographic Reconstruction.
Univ. Hamburg/D (2002)
DESY-THESIS-2002-041

P. SERDA

Structure Determination of Microcrystalline Compounds of Natural
Origin Using Classical and Synchrotron Radiation Sources.
Jagiellonian Univ. Cracow/PL (2002)

M. SIKORA

X-MCD Study of $\text{La}_{2/3-y}\text{RE}_y\text{Ca}_{1/3}\text{MnO}_3$ Magnetic Properties.
(In Polish)
Univ. of Cracow/PL (2002)

P. SZUPRYCZYNSKI

Scintillation Mechanism in $\text{BaF}_2:\text{Ce}$ Crystal.
N. Copernicus-Univ. Torun/PL (2002)

A. TEGGE-SCHÜRING

Cation Diffusion in Silicate Melts.
Univ. Hannover/D (2002)

R. WEBER

Oberflächenempfindliche Röntgenstreuung an Polymer-Metall-
Grenzflächen: Strukturelle Eigenschaften und Thermisches Ver-
halten.
Christian-Albrechts-Univ. Kiel/D (2002)

J. WEGENER

Mikrostruktur, Textur und Eigenspannungen von stranggepressten
und reibrührgeschweißten aushärtbaren Aluminiumlegierungen.
TU Berlin/D (2002)

M. WISNIEWSKA

Radioluminescence of Wide-Bandgap Materials Activated with
 Pr^{3+} Ions.
N. Copernicus-Univ. Torun/PL (2002)

Diplomarbeiten

R. BARTMANN

Elektronische Eigenschaften von $\text{Bi}_2\text{Sr}_{2-x}\text{La}_x\text{CuO}_6$ Keramiken.
Humboldt-Univ. Berlin/D (2002)

M. BOROWIEC

EXAFS Study of $\text{Cd}_{1-y}\text{Cr}_{2-2x}$ Spinels. (In Polish)
Univ. of Cracow/PL (2002)

A. BRAUER

Untersuchung von Diffusionsvorgängen in Ag/Ti/Ag Schichtsys-
temen.
Univ. Rostock/D (2002)

L. DUDY

1D Effects in the Electronic Structure of the 2D CuO_2 -Planes of
 $\text{Bi}_2\text{Sr}_{2-x}\text{La}_x\text{CuO}_6$.
Humboldt-Univ. Berlin/D (2002)

S. GLIEMANN

Aufbau und Inbetriebnahme einer neuen datenverarbeitenden Struktur für Photoelektronenspektroskopie.
Christian-Albrechts-Univ. Kiel/D (2002)

I. GROTKOPP

Untersuchung von Metall-Polymer-Grenzflächen mit Röntgenstreuung.
Christian-Albrechts-Univ. Kiel/D (2002)

M. HAHN

Spurenelementdiffusion in peralkalinen rhyolithischen Schmelzen.
Univ. Hannover/D (2002)

R. HUDEJ

Determination of Cluster Sizes with EXAFS.
Univ. of Ljubljana/SLO (2002)

T. IKONEN

Perunatärkkelyksen Rakenne.
Univ. of Helsinki/FIN (2002)

K. SCHLAGE

Untersuchung magnetischer Eigenschaften eingebetteter Nanoteilchen.
Univ. Rostock/D (2002)

U. SEIDEL

$\text{Bi}_2\text{S}_7\text{2CaW}_{2-x}\text{Y}_x\text{Cu}_2\text{O}_8$ Einkristalle: Vom Supraleiter zum Isolator.
Humboldt-Univ. Berlin/D (2002)

F.O. STEHLE

Charakterisierung der Varianten H481A und H103A des Enzyms Transketolase aus *Saccharomyces cerevisiae*.
Martin-Luther-Univ. Halle-Wittenberg/D (2002)

K. SZEGEDI

Effect of Cholesterol on the Structure of the Fully Hydrated Dipalmitoyl-Lecitin/Water Liposomes in the Pretransition Range.
Univ. of Budapest/H (2002)

R. TASLER

Charakterisierung des Wildtyps sowie der Varianten E473D, D27E und Delta-11 des Enzyms Pyruvatdecarboxylase aus *Zymomonas mobilis*.
Martin-Luther-Univ. Halle-Wittenberg/D (2002)

H. THOMAS

Untersuchung der Spinstruktur von federmagnetischen Schichtsystemen.
Univ. Rostock/D (2002)

V. WEITKAMP

In-situ Charakterisierung von Oxidschichten auf Bremsbelägen.
TU Berlin/D (2002)

A. WESTPHALEN

Herstellung und Charakterisierung von spontan gebildeten Nanostrukturen.
Univ. Bochum/D (2002)

EMBL**Veröffentlichungen**

R. BERISIO, F. SICA, V.S. LAMZIN, K.S. WILSON, A. ZAGARI, L. MAZZARELLA.

Atomic Resolution Structures of Ribonuclease A at Six PH Values.
Acta Crystallogr. D58 (2002) 441

S. BERNOCCO et al.

Low Resolution Structure Determination Shows Procollagen C-Proteinase Enhancer to be an Elongated Multi-Domain Glycoprotein.

J. Biol. Chem. 278 (2003) 7199

C. BIRCK, M. MALFOIS, D.I. SVERGUN, J.-P. SAMAMA

Insights into Signal Transduction Revealed by the Low Resolution Structure of the FixJ Response Regulator.

J. Mol. Biol. 321 (2002) 447

K. BRANDENBURG, G. JÜRGENS, J. ANDRA, B. LINDNER, M.H.J. KOCH, A. BLUME, P. GARIDEL

Biophysical Characterization of the Interaction of High-Density Lipoprotein (HDL) with Endotoxins.

Eur. J. Biochem. 269 (2002) 5972

K. BRANDENBURG, M. MATSUURA, H. HEINE, M. MUELLER, M. KISO, H. ISHIDA, M.H.J. KOCH, U. SEYDEL

Biophysical Characterization of Triacyl Monosaccharide Lipid A Partial Structures in Relation to Bioactivity.

Biophys. J. 83 (2002) 322

K. BRANDENBURG, I. MORIYON, M.D. ARRAIZA, LEHWARK-YVETOT, M.H.J. KOCH, U. SEYDEL

Biophysical Investigations into the Interactions of Lipopolysaccharide with Polymyxins.

Thermochim. Acta 382 (2002) 189

L.M. BRONSTEIN, C. LINTON, R. KARLINSEY, B. STEIN, D.I. SVERGUN, J.W. ZWANZIGER, R.J. SPONTAK

Synthesis of Metal-Loaded Poly(aminohexyl)(aminopropyl)silsesquioxane Colloids and their Self-Organization into Dendrites.

Nano Letters 2 (2002) 873

H. BUNJES, M.H.J. KOCH, K. WESTESEN

Stabilizer Effects on Crystallization and Polymorphism of Solid Lipid Nanoparticles.

Progr. Colloid Polym. Sci. 121 (2002) 7

- S. COHEN, M. MOULIN, O. SCHILLING, W. MEYER-KLAUCKE, J. SCHREIBER, M. WEGNER, C. MÜLLER
The GCM Domain is a Zn-Coordinating DNA-Binding Domain.
FEBS Lett. 528 (2002) 95
- Ü. COSKUN, G. GRÜBER, M.H.J. KOCH, J. GODOVAC-ZIMMERMANN, T. LEMKER, V. MÜLLER
Crosstalk in the A1-ATPase from *Methanosarcina Mazei* Gö1 due to Nucleotide Binding.
J. Biol. Chem. 277 (2002) 17327
- P. D'ANGELO, V. BARONE, G. CHILLEMI, N. SANNA, W. MEYER-KLAUCKE, N.V. PAVEL
Hydrogen and Higher Shell Contributions in Zn^{2+} , Ni^{2+} and Co^{2+} Aqueous Solutions: An X-Ray Absorption Fine Structure and Molecular Dynamics Study.
J. Am. Chem. Soc. 124 (2002) 1958
- A.W. DILG, K. GRANTNER, O. IAKOVLEVA, F.G. PARAK, E. BABINI, I. BERTINI, F. CAPOZZI, C. LUCHINAT, W. MEYER-KLAUCKE
Dynamics of Wild-Type HiPIPs: A Cys77Ser Mutant and a Partially Unfolded HiPIP.
J. Biol. Inorg. Chem. 7-8 (2002) 691
- C. ENROTH, D. XU
High Resolution Structure of Phenol Hydroxylase and Correction of Previous Sequencing Errors.
In: *Flavins and Flavoproteins XIV*, S. Chapman et al. (Eds.), Rudolf Weber, Agency for Sci. Publ., Berlin/D (2002) 39
- O. FAZIO, M. GNIDA, W. MEYER-KLAUCKE, W. FRANK, W. KLÄUI
An Iron(II) Complex with an N4S Ligand – A Novel Model Compound to Mimic Cytochrome P450 Activity.
Eur. J. Inorg. Chem. (2002) 2891
- A.G. GALKIN et al.
Site-Directed Mutagenesis of the Essential Arginine of the Formate Dehydrogenase Active Centre.
Biochim. Biophys. Acta 1594 (2002) 136
- B. GODERIS, H. REYNAERS, M.H.J. KOCH
Primary and Secondary Crystallization in a Homogeneous Ethylene-1-Octene Copolymer: Crystallinity Heterogeneity Studied by SAXS.
Macromolecules 35 (2002) 5840
- D.M. GUERIN, M.B. LASCOMBE, M. COSTABEL, H. SOUCHON, V. LAMZIN, P. BEGUIN, P.M. ALZARI
Atomic (0.94 Å) Resolution Structure of an Inverting Glycosidase in Complex with Substrate.
J. Mol. Biol. 316 (2002) 1061
- S. HOCQUET, M. DOSIERE, Y. TANZAWA, M.H.J. KOCH
Lamellar and Crystalline Thicknesses of Single Crystals of Narrow Molecular Weight Fractions of Linear Polyethylene.
Macromolecules 35 (2002) 5025
- G. JURGENS, M. MULLER, P. GARIDEL, M.H.J. KOCH, H. NAKAKUBO, A. BLUME, K. BRANDENBURG
Investigation into the Interaction of Recombinant Human Serum Albumin with Re-Lipopolysaccharide and Lipid A.
J. Endotoxin Res. 8 (2002) 115
- E.B. KUETTNER, R. HILGENFELD, M.S. WEISS
The Active Principle of Garlic at Atomic Resolution.
J. Biol. Chem. 277 (2002) 46402
- Purification, Characterization, and Crystallization of Alliinase from Garlic.
Arch. Biochem. Biophys. 402 (2002) 192
Arch. Biochem. Biophys. 404 (2002) 339 (Erratum)
- M. KRÜER, M. HAUMANN, W. MEYER-KLAUCKE, R.K. THAUER, H. DAU
The Role of Zinc in the Methylation of the Coenzyme M Thiol Group in Methanol:coenzyme M Methyltransferase from *Methanosarcina barkeri*: New Insights from X-Ray Absorption Spectroscopy.
Eur. J. Biochem. 269 (2002) 2117
- R.J. MORRIS, A. PERRAKIS, V.S. LAMZIN
ARP/wARP's Model-Building Algorithms. I. The Main Chain.
Acta Crystallogr. D 58 (2002) 968
- V.O. PAAVILAINEN, M.C. MERCKEL, S. FALCK, P.J. OJALA, E. POHL, M. WILMANNNS, P. LAPPALAINEN
Structural Conservation between the Actin Monomer-Binding Sites of Twinfilin and Actin-Depolymerizing Factor (ADF)/Cofilin.
J. Biol. Chem. 277 (2002) 3089
- D. PAL, J. SÜHNEL, M.S. WEISS
New Principles of Protein Structure: Nests, Eggs – and what Next?
Angew. Chem. Int. Ed. 41 (2002) 4663
- M.V. PETOUKHOV, N.A.J. EADY, K. BROWN, D.I. SVERGUN
Addition of Missing Loops and Domains to Protein Models Using X-Ray Solution Scattering.
Biophys. J. 83 (2002) 3113
- E. POHL, N. BRUNNER, M. WILMANNNS, R. HENSEL.
The Crystal Structure of the Allosteric Nonphosphorylating Glyceraldehyde-3-Phosphate Dehydrogenase from the Hyperthermophilic Archaeum *Thermoproteus Tenax*.
J. Biol. Chem. 277 (2002) 19938
- A. RAZETO, S. KOCHHAR, H. HOTTINGER, M. DAUTER, K.S. WILSON, V.S. LAMZIN
Domain Closure, Substrate Specificity and Catalysis of D-Lactate Dehydrogenase from *Lactobacillus Bulgaricus*.
J. Mol. Biol. 318 (2002) 109
- A. SCHMIDT, A. GONZALEZ, R.J. MORRIS, M. COSTABEL, P.M. ALZARI, V.S. LAMZIN,
ADVANTAGES of High-Resolution Phasing: MAD to Atomic Resolution.
Acta Crystallogr. D 58 (2002) 1433

A. SCHMIDT, V.S. LAMZIN

Veni, Vidi, Vici – Atomic Resolution Unraveling the Mysteries of Protein Function.

Curr. Op. Struct. Biol. 12 (2002) 698

J. SEVCIK, V.S. LAMZIN, Z. DAUTER, K.S. WILSON

Atomic Resolution Data Reveal Flexibility in the Structure of RNase Sa.

Acta Crystallogr. D58 (2002) 1307

B. SIEKMAN, H. BUNJES, M.H.J. KOCH, K. WESTESEN

Preparation and Structural Investigations of Colloidal Dispersions Prepared from Cubic Monoglyceride-Water Phases.

Int. J. Pharmaceutics 244 (2002) 33

R.A. STEINER, W. MEYER-KLAUCKE, B.W. DIJKSTRA
Functional Analysis of the Copper-Dependent Quercetin 2,3-Dioxygenase. 2. X-Ray Absorption Studies of Native Enzyme and Anaerobic Complexes with the Substrates Quercetin and Myricetin

Biochemistry 41 (2002) 7963

D.I. SVERGUN, M.H.J. KOCH

Advances in Structure Analysis Using Small-Angle Scattering in Solution.

Curr. Opinion Struct. Biol. 12 (2002) 654

T. UNRUH, K. WESTESEN, M.H.J. KOCH

Self-Assembly of Triglyceride Nanocrystals in Suspension.

Langmuir 18 (2002) 1796

P. VACHETTE, E. DAINESE, V.B. VASYLIEV, P. DI MURO, M. BELTRAMINI, D.I. SVERGUN, V. DE FILIPPIS, B. SALVATO
A Key Structural Role for Active Site Type 3 Copper Ions in Human Ceruloplasmin.

J. Biol. Chem. 277 (2002) 40823

A. VOGEL, O. SCHILLING, M. NIECKE, J. BETTMER, W. MEYER-KLAUCKE

ElaC Encodes a Novel Binuclear Zinc Phosphodiesterase.

J. Biol. Chem. 277 (2002) 29078

M.S. WEISS, S. PANJIKAR, E. NOWAK, P.A. TUCKER

Metal Binding to Porcine Pancreatic Elastase: Calcium or not Calcium.

Acta Crystallogr. D58 (2002) 1407

D. XU, C. ENROTH, Y. LINDQVIST, D.P. BALLOU, V. MASSEY

Studies of the Mechanism of Phenol Hydroxylase: Effect of Mutation Proline364 to Serine.

Biochemistry 41 (2002) 13627

J.I. YEH, S. DU, E. POHL, D.E. CANE

"Multistate Binding of Pyridoxine 5'-Phosphate Synthase: 1.96 Å Crystal Structure in Complex with 1-Deoxy-D-Xylose Phosphate.

Biochemistry 41 (2002) 11649

Max-Planck-Gesellschaft

Veröffentlichungen

R.I. ARTYUKH, G.S. KACHALOVA, N.F. LANINA, D.O. NIKOLSKII, V.P. TIMOFEEV, H.D. BARTUNIK

A Local Dynamic Structure of Lysozyme in a Spin-Labeled Tetragonal Crystal at Varying Humidity.

Biophysics (Russ.) 47 (2002) 795

T. AUERBACH et al.

Antibiotics Targeting Ribosomes: Crystallographic Studies.

Curr. Drug Targets Infect. Disord. 2 (2002) 169

S. BARGHORN, E. MANDELKOW

Toward a Unified Scheme for the Aggregation of Tau into Alzheimer Paired Helical Filaments.

Biochemistry 41 (2002) 14885

A. BASHAN et al.

Structural Basis of the Ribosomal Machinery for Peptide Bond Formation, Translocation, and Nascent Chain Progression.

Mol. Cell 11 (2003) 91

G. FRITZ, A. ROTH, A. SCHIFFER, T. BUCHERT, G. BOURENKOV, H.D. BARTUNIK, H. HUBER, K.O. STETTER, P.M. KRONECK, U. ERMLER

Structure of Adenylylsulfate Reductase from the Hyperthermophilic Archaeoglobus Fulgidus at 1.6 Å Resolution.

Proc. Natl. Acad. Sci. USA 99 (2002) 1836

M. GARRIDO-FRANCO, S. EHLERT, A. MESSERSCHMIDT, S. MARINKOVIC, R. HUBER, B. LABER, G.P. BOURENKOV, T. CLAUSEN

Structure and Function of Threonine Synthase from Yeast.

J. Biol. Chem. 277 (2002) 12396

J. HARMS, F. SCHLUENZEN, R. ZARIVACH, A. BASHAN, H. BARTELS, I. AGMON, A. YONATH

Protein Structure: Experimental and Theoretical Aspects.

FEBS Lett. 525 (2002) 176

D. JOZIC, G. BOURENKOV, H.D. BARTUNIK, H. SCHOLZE, V. DIVE, B. HENRICH, R. HUBER, W. BODE, K. MASKOS

Crystal Structure of the Dinuclear Zinc Aminopeptidase PepV from Lactobacillus Delbrueckii Unravels its Preference for Dipeptides.

Structure 10 (2002) 1097

W.I. KARAIN, G.P. BOURENKOV, H. BLUME, H.D. BARTUNIK

Automated Mounting, Centering and Screening of Crystals for High-Throughput Protein Crystallography.

Acta Crystallogr. D: Biol. Crystallogr. 58 (2002) 1519

L. LI, M. VON BERGEN, E.-M. MANDELKOW, E. MANDELKOW

Structure, Stability, and Aggregation of Paired Helical Filaments from Tau Protein and FTDP-17 Mutants Probed by Tryptophan Scanning Mutagenesis.

J. Biol. Chem. 277 (2002) 41390

E. MANDELKOW, E.-M. MANDELKOW

Kinesin Motors and Disease.

Trends in Cell Biology 12 (2002) 585

A. SEITZ, H. KOJIMA, K. OIWA, E.-M. MANDELKOW, Y.-H. SONG, E. MANDELKOW

Single-Molecule Investigation of the Interference between Kinesin and Tau on Microtubules.

EMBO J. 21 (2002) 4896

Y.-H. SONG, A. MARX, E. MANDELKOW

Structures of Kinesin Motor Domains: Implications for Conformational Switching Involved in Mechanochemical Coupling.

In: Molecular Motors, M. Schliwa (Ed.), Wiley-VCH, Weinheim/D (2002) 287

M.E. THAN, S. HENRICH, R. HUBER, A. RIES, K. MANN, K. KUHN, R. TIMPL, G.P. BOURENKOV, H.D. BARTUNIK, W. BODE

The 1.9 Å Crystal Structure of the Noncollagenous (NC1) Domain of Human Placenta Collagen IV Shows Stabilization via a Novel Type of Covalent Met-Lys Cross-Link.

Proc. Natl. Acad. Sci. USA 99 (2002) 6607

T. WENDT, N. VOLKMANN, G. SKINIOTIS, K. GOLDIE, J. MÜLLER, E. MANDELKOW, A. HOENGER

Microscopic Evidence for a Minus-End Directed Power Stroke in the Kinesin Motor NCD.

EMBO J. 21 (2002) 5969

A. YONATH

The Search and its Outcome: High-Resolution Structures of Ribosomal Particles from Mesophilic, Thermophilic and Halophilic Bacteria at Various Functional States.

Ann. Rev. Biophys. Biomol. Struct. 31 (2002) 257

High-Resolution Structures of Large Ribosomal Subunits from Mesophilic Eubacteria and Halophilic Archaea at Various Functional States.

Curr. Protein Pept. Sci. 3 (2002) 67

Antibiotics Targeting Ribosomes.

In: ESRF Highlights 2001, D. Cornuejols (Ed.), Grenoble/F (2002) 11

R. ZARIVACH, A. BASHAN, F. SCHLUENZEN, J. HARMS, M. PIOLETTI, F. FRANCESCHI, A. YONATH

Initiation and Inhibition of Protein Biosynthesis – Studies at High Resolution.

Curr. Protein Pept. Sci. 3 (2002) 55

R. ZARIVACH et al.

On the Interaction of Colicin E3 with the Ribosome.

Biochemie 84 (2002) 447

FE

Veröffentlichungen

P. KAPPEN, L. TRÖGER, H. ZINK, G. MATERLIK, C. RECKLEBEN, K. HANSEN, J.-D. GRUNWALDT, B.S. CLAUSEN
Silicon Drift Detectors as a Tool for Time Dependent Fluorescence XAFS Studies on Low Concentrated Catalysts.
J. Synchrotron Rad. 9 (2002) 246

K. HANSEN, M. REINECKE, H. KLÄR, M. BENCA
High-Speed High-Resolution Signal Processing for Multicell Silicon Drift Detectors.

IEEE Trans. Nucl. Sci. 49 (2002) 541

K. HANSEN, C. RECKLEBEN

Dynamic Behavior of the Charge-to-Voltage Conversion in Si-Drift Detectors with Integrated JFETs.

Zur Veröffentlichung in IEEE Trans. Nucl. Sci.

Veröffentlichter Vortrag

P. GÖTTLICHER

The ZEUS Hadron Electron Separator, Performance and Experience.

Proc. of the 10th Int. Conf. on Calorimetry in High Energy Physics (CALOR2002), Pasadena/USA (2002)

Vortrag

K. HANSEN, M. REINECKE, C. RECKLEBEN, H. KLÄR, W. O. LANGE

A Fast X-Ray Spectroscopy System for Si-Array Drift Detectors. HASYLAB User Meeting, Hamburg/D (2002)

Bibliothek und Dokumentation

Vortrag

L.A. VASSILEVSKAYA

An Approach to Automatic Indexing of Scientific Publications in High Energy Physics for Database SPIRES-HEP.

CERN Genf/CH (2002)

Interne Berichte

L.A. VASSILEVSKAYA

An Approach to Automatic Indexing of Scientific Publications in High Energy Physics for Database SPIRES-HEP.

(Abschlussarbeit Wiss. Dokumentarin, IID Potsdam)

DESY L-02-01

L.A. VASSILEVSKAYA, A.V. AVERIN

An Approach to Automatic Indexing of Scientific Publications in High Energy Physics for Database SPIRES-HEP.

DESY L-02-02

DESY Zeuthen

Veröffentlichungen

AMANDA COLLABORATION

J. AHRENS et al.

Limits to the Muon Flux from WIMP Annihilation in the Center of the Earth with the AMANDA Detector.

Phys. Rev. D66 (2002) 032006 und astro-ph/020370

Observation of High Energy Atmospheric Neutrinos with the Antarctic Muon and Neutrino Detector Array.

Phys. Rev. D66 (2002) 012005 und astro-ph/0205109

Search for Point Sources of High Energy Neutrinos.

Astrophys. J. 583 (2003) 1040 und astro-ph/0208006

Search for Neutrino-Induced Cascades with the AMANDA-Detector.

Phys. Rev. D67 (2003) 012003 und astro-ph/0206487

C. WIEBUSCH et al.

Results from AMANDA.

Mod. Phys. Lett. A17 (2002) 2019

BAIKAL COLLABORATION, V. BALKANOV et al.

Simultaneous Measurements of Optical Water Properties in Lake Baikal.

Nucl. Instrum. Methods A298 (2003) 231 und astro-ph/0207553

Suche nach hochenergetischen Neutrinos. (Russisch)

Izvestija RAN 66 (2002) 24

THE LEP COLLABORATIONS et al.

A Combination of Preliminary Electroweak Measurements and Constraints on the Standard Model.

CERN-EP-2001-098, hep-ex/0112021, LEPEWWG/2001-02

L3 COLLABORATION, P. ACHARD et al.

Study of Multiphoton Final States and Tests of QED in e^+e^- Collisions at \sqrt{s} up to 208 GeV.

Phys. Lett. B531 (2002) 28

Search for a Higgs Boson Decaying into Two-Photons at LEP.

Phys. Lett. B534 (2002) 28

Inclusive $D^{*\pm}$ Production in Two-Photon Collisions at LEP.

Phys. Lett. B535 (2002) 59

Λ and Σ^0 Pair Production in Two-Photon Collisions at LEP.

Phys. Lett. B536 (2002) 24

Determination of α_s from Hadronic Event Shapes in e^+e^- Annihilation at $192 \leq s \leq 208$ GeV.

Phys. Lett. B536 (2002) 217

The $e^+e^- \rightarrow Z\gamma\gamma \rightarrow q\bar{q}\gamma\gamma$ Reaction at LEP and Constraints on Anomalous Quartic Gauge Boson Couplings.

Phys. Lett. B540 (2002) 43

Measurement of Genuine Three-Particle Bose-Einstein Correlations in Hadronic Z Decay.

Phys. Lett. B540 (2002) 185 und CERN-EP/2002-035

Measurement of Bose-Einstein Correlations in $e^+e^- \rightarrow W^+W^-$ Events at LEP.

Phys. Lett. B547 (2002) 139 und CERN-EP/2002-062

Production of Single W Bosons at LEP and Measurement of $WW\gamma$ Gauge Coupling Parameters.

Phys. Lett. B547 (2002) 151 und CERN-EP/2002-064

Search for Neutral Higgs Bosons of the Minimal Supersymmetric Standard Model in e^+e^- Interactions at \sqrt{s} up to 209 GeV.

Phys. Lett. B545 (2002) 30 und CERN-EP/2002-066

Search for Single Top Production at LEP.

Phys. Lett. B549 (2002) 290 und CERN-EP/2002-065

Search for a Higgs Boson Decaying to Weak Boson Pairs at LEP. CERN-EP/2002-080, zur Veröffentlich. in Phys. Lett. B

Inclusive Charged Hadron Production in Two-Photon Collisions at LEP.

Phys. Lett. B554 (2003) 105 und CERN-EP/2002-081

A. ABYZOV et al.

Efficiency Profile Method to Study the Hit Efficiency of Drift Chambers.

Zur Veröffentlich. in Part. Nucl. Lett.

B. ANANTHANARAYAN, S. RINDANI, A. STAHL

CP Violation in the Production of τ Leptons at TESLA with Beam Polarization.

Eur. Phys. J. C27 (2003) 33 und hep-ph/0204233

L.S. BARABASCH et al.

The IHEP-JINR Neutrino Detector at Neutrino Beams of the U70 Accelerator.

JINR-P13-2002-152, zur Veröffentlich. in Prib. Tekh. Eksp

D. BARDIN et al.

Predictions for $\bar{\nu}\nu\gamma$ Production at LEP.

Eur. Phys. J. C24 (2002) 373 und DESY 01-005, hep-ph/0110371

W. BEENAKKER, A. WERTHENBACH

Electroweak Two-Loop Sudakov Logarithms for On-Shell Fermions and Bosons.

Nucl. Phys. B630 (2002) 2002

A. BELKOV et al.

Tracking Performance of the HERA-B Outer Tracker PC Chambers.

Part. Nucl. Lett. 111 (2002) No.2 51

F. BERRUTO et al.

A Study of the 't Hooft Model with the Overlap Dirac Operator.

Phys. Rev. D 65 (2002) 094516 und hep-lat/0201010

J. BLÜMLEIN, H. BÖTTCHER

QCD Analysis of Polarized Deep Inelastic Scattering Data and Parton Distributions.

Nucl. Phys. B636 (2002) 225 und DESY 01-087, hep-ph/0203155

- J. BLÜMLEIN, H. KAWAMURA
 $O(\alpha^2L)$ Radiative Corrections to Deep Inelastic ep Scattering.
 DESY 02-193, hep-ph/0211191
- J. BLÜMLEIN, D. ROBASCHIK
 Polarized Deep Inelastic Diffractive ep Scattering: Operator Approach.
 Phys. Rev. D65 (2002) 096002 und
 DESY 02-011, hep-ph/0202077
- J. BLÜMLEIN et al.
 On the Structure of the Virtual Compton Amplitude with Additional Final-State Mesons in the Extended Bjorken Region.
 Phys. Rev. D65 (2002) 054029
- M. CASELLE, M. HASENBUSCH
 Finite Temperature Corrections in 2d Integrable Models.
 Nucl. Phys. B639 (2002) 549 und DESY 02-042, hep-th/0204088
- P.H. DAMGAARD et al.
 Finite-Size Scaling of Vector and Axial Current Correlators.
 Nucl. Phys. B656 (2003) 226 und DESY 02-178, hep-lat/0211020
- Finite-Size Scaling of Meson Propagators.
 Nucl. Phys. B629 (2002) 445 und hep-lat/0112016
- T. DE GRAND, A. HASENFRATZ, T.G. KOVÁCS
 Improving the Chiral Properties of Lattice Fermions.
 hep-lat/0211006
- S. DÜRR
 M_π^2 versus m_q : Comparing CP-PACS and UKQCD Data to Chiral Perturbation Theory.
 DESY 02-121, hep-lat/0208051, zur Veröffentlich. in Nucl. Phys. B
- S. DÜRR, P. DE FORCRAND
 Modified Iterative versus Laplacian Landau Gauge in Compact $U(1)$ Theory.
 Phys. Rev. D66 (2002) 094504 und
 DESY 02-088, hep-lat/0206022
- J. FLEISCHER et al.
 Complete Electroweak One-Loop Radiative Corrections to Top-Pair Production at TESLA: A Comparison.
 hep-ph/0202109, LC-TH-2002-002
- L. GIUSTI et al.
 Fermions on Tori in Uniform Abelian Fields.
 Phys. Rev. D65 (2002) 074506 und hep-lat/0112017
- M. GÖCKELER et al.
 A Lattice Study of the Spin Structure of the Lambda Hyperon.
 Phys. Lett. B545 (2002) 112
- Lattice Evaluation of Four-Quark Operators in the Nucleon.
 Nucl. Phys. B623 (2002) 287
- Baryon Masses Using an $O(A)$ Improved Fermion Action.
 Phys. Lett. B532 (2002) 63
- The Particle Data Group, K. HAGIWARA et al.
 Review of Particle Physics.
 Phys. Rev. D66 (2002) 010001
- M. HASENBUSCH, K. JANSEN
 Speeding up Lattice QCD Simulations with Clover-Improved Wilson Fermions.
 DESY 02-200, hep-lat/0211042
- A. HOEFER, J. GLUZA, F. JEGERLEHNER
 Pion Pair Production with Higher Order Radiative Corrections in Low Energy e^+e^- Collisions.
 Eur. Phys. J. C24 (2002) 51
- G. JORJADZE, G. WEIGT
 Zero Mode Problem of Liouville Field Theory.
 hep-th/0207041
- H. KAWAMURA et al.
 Transverse Momentum Distribution in B Mesons in the Heavy Quark Limit: Wandzura-Wilczek Limit.
 Mod. Phys. Lett. A18 (2003) 799 und DESY 01-212
- T.G. KOVÁCS
 Locality and Topology with Fat Link Overlap Actions.
 hep-lat/0209125
- L. KUZMICHEV, B. LUBSANDORZHIEV, C. SPIERING
 Enhancement of the Sensitivity of Neutrino-Telescope Optical Modules to Cherenkov Light.
 Instrum. Exp. Tech. 45 (2002) 742
 (Prib. Tekh. Eksp. 45 (2002) No.6 13)
- S. MOCH, J.A.M. VERMASEREN, A. VOGT
 Non-Singlet Structure Functions at Three Loops: Fermionic Contributions.
 Nucl. Phys. B646 (2002) 181 und DESY 02-128, hep-ph/0209100
- F. PALOMBI, R. PETRONZIO, A. SHINDLER
 Moments of Singlet Parton Densities on the Lattice in the Schrödinger Functional Scheme.
 Nucl. Phys. B637 (2002) 243 und hep-lat/0203002
- A. SPIRIDONOV
 Uncertainties in Track Momentum due to Multiple Scattering in a Forward Spectrometer.
 DESY 02-151
- J. VOLMER et al.
 Measurement of Longitudinal and Transverse Cross-Sections in the ${}^3\text{He}(e,e'\pi^+){}^3\text{H}$ Reaction at $W = 1.6\text{ GeV}$.
 Phys. Rev. C65 (2002) 011001

Veröffentlichte Vorträge

Proc. of the 20th Int. Sympos. on Lattice Field Theory (LAT-TICE2002), Boston/USA (2002) (Nucl. Phys. B, Proc. Suppl.)

APE COLLABORATION, R. AMMENDOLA et al.
 Status of the apeNEXT Project.
 hep-lat/0211031

ALPHA COLLABORATION, M. DELLA MORTE et al.
 Recent Results on the Running Coupling in QCD with Two Massless Flavours.
 DESY 02-124, hep-lat/0209023

Running Quark Mass in Two Flavor QCD.
DESY 02-125, hep-lat/0209025

ALPHA COLLABORATION, J. HEITGER, R. SOMMER
Non-Perturbative Determination of Z_A^{stat} in Quenched QCD.
DESY 02-130, hep-lat/0209078

QCDSF and UKQCD COLLABORATIONS, R. HORSLEY et al.
Low-Lying Fermion Modes: Dynamical Versus Quenched.
hep-lat/0211030

T. BAKEYEV et al.
A Nonperturbative Determination of $Z(V)$ and $B(V)$ for $O(A)$
Improved Quenched and Unquenched Wilson Fermions.
hep-lat/0209148

Finite Size Effects in Nucleon Masses in Dynamical QCD.
hep-lat/0209111

F. BODIN et al.
Status of the apeNEXT Project.

V. BORNIAKOV et al.
Thermodynamics and Heavy Quark Potential in $N_F = 2$ Dynamical
QCD.
hep-lat/0209157

M. CASELLE et al.
String Effects in Polyakov Loop Correlators.
DESY 02-139, hep-lat/0210023

G. COLANGELO, S. DÜRR, R. SOMMER
Finite Size Effects on M_π in QCD from Chiral Perturbation Theory.
DESY 02-131, hep-lat/0209110

S. DATTA et al.
A Study of Charmonium Systems across the Deconfinement Tran-
sition.
DESY 02-108, BI-TP-2002-19, hep-lat/0208012

N. GARRON et al.
 $B(K)$ from Quenched Overlap QCD.
hep-lat/0212015

M. GÖCKELER et al.
Structure Functions near the Chiral Limit.
hep-lat/0209151

Calculation of Moments of Structure Functions.
hep-lat/0209160

M. HASENBUSCH, K. JANSEN
Speeding up the HMC: QCD with Clover-Improved Wilson Fer-
mions.
DESY 02-138, hep-lat/0210036

P. HERNÁNDEZ, K. JANSEN, K.-I. NAGAI
Residual Mass Effects in Improved Domain Wall Fermions.
hep-lat/0209044

F. KARSCH, I. WETZORKE
THE H Dibaryon on the Lattice.
DESY 02-117, BI-TP-2002-20, hep-lat/0208029

S. NECCO
Universality and RG Improved Gauge Action.
DESY 02-129, hep-lat/0208052

R. SOMMER
Non-Perturbative Renormalization of HQET and QCD.
DESY 02-132, hep-lat/0209162

**Proc. of the Int. Workshop on Linear Colliders (LCWS2002),
Jeju Island/ROK (2002)**

I. BOZOVIC-JELISAVCIC, K. MÖNIG, J. SEKARIC
Measurement of Trilinear Gauge Couplings at a $\gamma\gamma$ and $e\gamma$ Collider.
hep-ph/0210308

A. DE FREITAS et al.
Sfermion Precision Measurements at a Linear Collider.
hep-ph/0211108

A. FINCH, H. NOWAK, A. SOPCZAK
Precision Measurements in the Scalar Top Sector of the MSSM
at a Linear e^+e^- -Collider.
hep-ph/0211140

W. LOHMANN et al.
Determination of the Higgs Boson Spin with a Linear e^+e^-
Collider.
Design Options for the Very Forward TESLA Calorimeter.

K. MÖNIG
Forward Tracking at TESLA.
Measurement Prerequisites to GigaZ.
Summary of Session I: Program Options.
LC-REV-2002-014

A. STAHL
Gamma-Gamma Collider.

H. VOGT
TESLA Detector Simulation Software.

**Proc. of the 6th Int. Sympos. on Radiative Corrections (RAD-
COR 02), and 6th Zeuthen Workshop on Elem. Part. Theory,
Kloster Banz/D (2002) (Nucl. Phys. B, Proc. Suppl.)**

J. BLÜMLEIN, H. KAWAMURA
Higher Order QED Corrections to Deep Inelastic Scattering.
hep-ph/0211219

S. CAPITANI
Perturbative and Non-Perturbative Lattice Calculations for the
Study of Parton Distributions.
hep-ph/0210076

A. DE FREITAS et al.
Two Loop Corrections to Gluon Fusion into Two Photons.
DESY 02-202, hep-ph/0211344

J. FLEISCHER et al.
Massive Two-Loop Bhabha Scattering: The Factorizable Subset.
hep-ph/0211167

F. JEGERLEHNER, M. KALMYKOV, O. VERETIN
Full Two-Loop Electroweak Corrections to the Pole Masses of Gauge Bosons.
DESY 02-209, hep-ph/0212003

F. JEGERLEHNER, O. TARASOV
FIRCLA, One-Loop Correction to $e^+e^- \rightarrow \nu\bar{\nu}H$ and Basis of Feynman Integrals in Higher Dimensions.
DESY 02-210, hep-ph/0212004

H. KAWAMURA et al.
B Meson Light Cone Wavefunctions in the Heavy Quark Limit.
JUPD-0211, hep-ph/0211270

M. KLEIN
Structure Functions at HERA – Status and Future.

S. MOCH
Sudakov Logarithms in Four-Fermion Electroweak Processes at High Energy.
hep-ph/0209100

S. MOCH, P. UWER, S. WEINZIERL
QCD Two-Loop Amplitudes for $e^+e^- \rightarrow 3$ Jets: The Fermionic Contribution.
hep-ph/0211156

S. RIEMANN
Electroweak Precision Measurements in e^+e^- Annihilation into Fermion Pairs.

ALPHA COLLABORATION, R. SOMMER, H. WITTIG
Fundamental Parameters of QCD.
Proc. of the NIC Symposium, FZJ Jülich/D (2001) (NIC Series 9) und DESY 02-030, physics/0204015

AMANDA COLLABORATION

S. BARWICK
Physics and Operation of the AMANDA-II High Energy Neutrino Telescope.
Proc. of the SPIE Conf. on Astron. Optical Telescopes and Instrum., Waikoloa, Hawaii/USA (2002) und astro-ph/0211269

D. COWEN
Results from the Antarctic Muon and Neutrino Detector Array.
Proc. of the Int. Conf. on Neutrino Physics and Astrophysics, München/D (2002) und astro-ph/0211264

A. HALLGREN
Physics Results from the AMANDA-B10 Neutrino Telescope.
Proc. of the Conf. on Topics in Astropart. and Underground Phys. (TAUP 2001), Gran Sasso/I (2001) (Nucl. Phys. B, Proc. Suppl. 110 (2002)) und astro-ph/0204364

R. WISCHNEWSKI
The AMANDA-II Neutrino Telescope.
Proc. of the Conf. on Topics in Astropart. and Underground Phys. (TAUP 2001), Gran Sasso/I (2001) (Nucl. Phys. B, Proc. Suppl. 110 (2002)) und astro-ph/0204268

BAIKAL COLLABORATION, G. DOMOGATSKY
The BAIKAL Experiment: Status Report.
Proc. of the Conf. on Topics in Astropart. and Underground Phys. (TAUP 2001), Gran Sasso/I (2001) (Nucl. Phys. (Proc. Suppl.) 110 (2002) 504)

The Baikal Neutrino Telescope: Status, Results and Plans.
Proc. of the Int. Conf. on Neutrino Physics and Astrophysics, München/D (2002)

ICECUBE COLLABORATION, A. KARLE
IceCube – The Next Generation Neutrino Telescope at the South Pole.
Proc. of the Int. Conf. on Neutrino Physics and Astrophysics, München/D (2002) und astro-ph/0209556

M. AMARIAN
New Results on DVCS and Exclusive Meson Production at HERMES.
Proc. of the Workshop on Spontaneously Broken Chiral Symmetry and Hard QCD-Phenomena, Bad Honnef/D (2002)

Measurement of DVCS at HERMES.
Proc. of the 10th NATO Advanced Spin Physics Workshop, Nor Amberd/ARM (2002)

V. BALKANOV et al.
The Lake Baikal Neutrino Experiment: Present Status and Future Prospects.
Proc. of the 4th Workshop on RICH Detectors, Pylos/GR (2002)

U. BAUR et al.
Present and Future Electroweak Precision Measurements and the Indirect Determination of the Mass of the Higgs Boson.
(Summary report of the Precision Measurement Working Group at Snowmass 2001)
hep-ph/0202001

G.A. BLAIR, H. BURKHARDT, H.J. SCHREIBER
Background Simulation for the CLIC Beam Delivery System with GEANT.
Proc. of the 8th Europ. Part. Accel. Conf. (EPAC2002), Paris/F (2002)

J. BLÜMLEIN, H. BÖTTCHER
QCD Analysis of Polarized Deep Inelastic Scattering Data and Parton Distributions.
Proc. of the 10th Int. Workshop on Deep Inelastic Scattering (DIS2002), Cracow/PL (2002) (Acta Phys. Pol. B33 (2002) 228) und hep-ph/0206286

QCD Analysis of Polarized Deep Inelastic Scattering Data and New Polarized Parton Distributions.
Proc. of the 10th Int. Workshop on Deep Inelastic Scattering (DIS2002), Cracow/PL (2002) (Acta Phys. Pol. B33 (2002) 3725) und hep-ph/0206286

Polarized Parton Distributions and their Errors.
Proc. of the Int. Conf. on Adv. Statistical Techniques in Part. Phys., Durham/GB (2002)

- J. BLÜMLEIN, H. KAWAMURA
Higher Order QED Corrections to Deep Inelastic Scattering.
Proc. of the 10th Int. Workshop on Deep Inelastic Scattering (DIS2002), Cracow/PL (2002) (Acta Phys. Pol. B33 (2002) 3719) und DESY 02-099, hep-ph/0207259
- J. BLÜMLEIN, D. ROBASCHIK
Polarized Deep Inelastic Diffractive Scattering near the Light Cone.
Proc. of the Europ. Workshop on the QCD Structure of the Nucleon (QCD-N'02), Ferrara/I (Nucl. Phys. A711 (2002) 228) und hep-ph/0207250
- M. CAMPOSTRINI et al.
Equation of State for Systems with Goldstone Bosons.
Proc. of the Conf. on Horizons in Complex Systems, Messina/I (2001) (Physica A314 (2002) 178) und DESY 02-007, cond-mat/0201310
- S. CAPITANI
Status of Lattice Structure Function Calculations.
Proc. of the 10th Int. Workshop on Deep Inelastic Scattering (DIS2002), Cracow/PL (2002) (Acta Phys. Pol. B33 (2002) 3025) und hep-ph/0206050
- S. DATTA et al.
Hadron Correlators, Spectral Functions and Thermal Dilepton Rates from Lattice QCD.
Proc. of the 16th Int. Conf. on Ultrarelat. Nucleus-Nucleus Coll. (QM2002), Nantes/F (2002) und DESY 02-153, hep-ph/0209028
- A.I. DAVYDYCHEV, M.Y. KALMYKOV
Geometrical Approach to Loop Calculations and the ϵ -Expansion of Feynman Diagrams.
Proc. of the Workshop on Computer Part. Phys. (CPP 2001), Tokyo/J (2001) und hep-th/0203212
- M. DELLA MORTE, R. FREZZOTTI, J. HEITGER
A Lattice Approach to QCD in the Chiral Regime.
Proc. of the Int. Europhys. Conf. on High Energy Physics, Budapest/H (2001) und hep-lat/0111048
- S. DÜRR
Lattice QCD Data Versus Chiral Perturbation Theory: The Case of M_π .
Proc. of the 31st Int. Conf. on High Energy Physics (ICHEP2002), Amsterdam/NL (2002) (Nucl. Phys. B, Proc. Suppl.) und DESY 02-160, hep-ph/0209319
- J. FLEISCHER et al.
One-Loop Corrections to the Process $e^+e^- \rightarrow t\bar{t}$ Including Hard Bremsstrahlung.
Proc. of the Workshop on Computer Part. Phys. (CPP 2001), Tokyo/J (2001) und DESY 02-025, hep-ph/0203220
- Factorizing One Loop Contributions to Two Loop Bhabha Scattering and Automatization of Feynman Diagram Calculations.
Proc. of the 8th Int. Workshop on Advanced Computing and Analysis Techniques in Physics Research (ACAT 2002), Moscow/RUS (2002) (Nucl. Instrum. Methods A) und hep-ph/0210180
- M. GÖCKELER et al.
Applied Lattice Gauge Calculations: Diquark Content of the Nucleon.
Proc. of the Europ. Workshop on the QCD Structure of the Nucleon (QCDN'02), Ferrara/I (2002) (Nucl. Phys. A711 (2002) 297)
- Lattice Studies of Nucleon Structure.
Proc. of the 7th Workshop on Electron Nucleus Scattering, Elba/I (2002) (Eur. Phys. J. A)
- J. HERNANDEZ
Offline Mass Data Processing Using Online Computing Resources at HERA-B.
Proc. of the 8th Int. Workshop on Adv. Computing and Analysis Techn. in Phys. Res. (ACAT 2002), Moscow/RUS (2002) (Nucl. Instrum. Methods A)
- K. JANSEN
Structure Functions on the Lattice.
Proc. of the 2nd Int. Sympos. on the Gerasimov-Drell-Hearn Sum Rule and the Spin Structure of the Nucleon (GDH 2002), Genua/I (2002)
- Lattice Calculations.
Proc. of the Conf. on Quarks and Nucl. Phys. (QNP2002), Jülich/D (2002)
- G. JORJADZE
Quantisation of Gauged $SL(2,R)$ WZNW Theories.
Proc. of the 35th Int. Sympos. Ahrenschoop, Wernsdorf/D (2002)
- M. KALMYKOV
Pole Masses of Gauge Bosons.
Proc. of the 8th Int. Workshop on Adv. Computing and Analysis Techn. in Phys. Res. (ACAT 2002), Moscow/RUS (2002) (Nucl. Instrum. Methods A)
- F. KARSCH et al.
Temporal Propagators and Quasiparticles in Hot QCD.
High Performance Comput. and Engin., HLR Stuttgart/D (2002) (Lecture Notes in Comput. Sci. Engin.) und DESY 02-109
- H. KAWAMURA et al.
B Meson Light Cone Distribution Amplitudes and Heavy Quark Symmetry.
Proc. of the 3rd Circum-Pan-Pacific Sympos. on High Energy Spin Physics (SPIN 2001), Beijing/PRC (2001) (Int. J. Mod. Phys. A) und hep-ph/0112146
- V.A. KOROTKOV, W.-D. NOWAK
Extraction of the Generalized Parton Distribution $H(\xi, \xi, t)$ from DVCS.
Proc. of the Europ. Workshop on the QCD Structure of the Nucleon (QCDN'02), Ferrara/I (2002) (Nucl. Phys. A711 (2002) 175) und hep-ph/0207103
- Towards the Topological Susceptibility with Overlap Fermions.
Proc. of the NATO Adv. Res. Workshop on Confinement, Topology and other Non-Perturbative Aspects of QCD, Stara Lesna/SLO (2002) (NATO Science Series II 83 (2002) 233)

T.G. KOVÁCS, E.T. TOMBOULIS

Vortex Waistlines.

Proc. of the NATO Adv. Res. Workshop on Confinement, Topology and other Non-Perturbative Aspects of QCD, Stara Lesna/SLO (2002) (NATO Science Series II 83 (2002) 241)

A. KRÜGER

Standard Model Fits.

Proc. of the 37th Rencontres de Moriond: QCD and High Energy Hadronic Interactions, Les Arcs/F (2002) und hep-ex/0206060

S. LIKHODED

Study of Pair-Produced Neutral Heavy Bosons at LEP Using the L3 Detector.

Proc. of the Lake Louise Winter Institute, Lake Louise/CAN (2002)

K. LIPKA

Diffraction ρ^0 -Production at HERMES.

Proc. of the Int. Conf. on the Structure and Interactions of the Photon, Ascona/CH (2001)

S. MOCH, P. UWER, S. WEINZIERL

Scattering Amplitudes for $e^+e^- \rightarrow 3$ Jets at Next-to-Next-to-Leading Order.

Proc. of the 9th Int. Conf. on QCD, Montpellier/F (2002) und hep-ph/0210009

M. MÜLLER-PREUSSKER et al.

Lattice Field Theory.

Proc. of the 19th Int. Sympos. on Lattice Field Theory (LATTICE 2001), Berlin/D (2001) (Nucl. Phys. B, Proc. Suppl. 106 (2002) 1123)

H. NOWAK, A. SOPCZAK

Study of Scalar Top Quarks in the Neutralino and Chargino Decay Channel.

Proc. of the APS/DPF/DPB Summer Study on the Future of Particle Physics (Snowmass 2001) und hep-ph/0102341

W.-D. NOWAK

Physics Objectives for Future Studies of the Spin Structure of the Nucleon.

Proc. of the 10th Workshop on High-Energy Spin Physics, Nor Amberg/ARM (2002) und hep-ph/0210409

HERMES Measurements of the Generalized GDH-Integral and of Quark-Hadron Duality.

Proc. of the 15th Int. Spin Physics Sympos. (SPIN2002), BNL Upton/USA (2002)

M. POHL, H.J. SCHREIBER

SIMDET - Version 4, a Parametric Monte Carlo for a TESLA Detector.

ECFA/DESY Workshop, St. Malo/F (2002) und DESY 02-061, hep-ex/0206009, LC-DET-2002-005

A. RASPEREZA

Higgs Search Results.

Proc. of the 22nd Conf. on Physics in Collision, Stanford/USA (2002) und hep-ex/0209021

S. RIEMANN

Search for Extra Dimensions at LEP.

Proc. of the 10th Int. Conf. on Supersymmetry in Physics (SUSY 02), Hamburg/D (2002)

A. ROSCA

Fermiophobic Higgs Bosons at LEP.

Proc. of the 31st Int. Conf. on High Energy Physics (ICHEP2002), Amsterdam/NL (2002) (Nucl. Phys. B, Proc. Suppl.)

C. SPIERING

High Energy Neutrino Astronomy.

Proc. of Int. School of Subnuclear Physics, Erice/I (2001)

(Prog. Part. Nucl. Phys. 48 (2002) 43)

Proc. of the Conf. on Topics in Astropart. and Underground Phys. (TAUP 2001), Gran Sasso/I (2001) (Nucl. Phys. B, Proc. Suppl. 110 (2002) 443)

J. STEWART

Measurement of the Polarized Parton Distribution Functions at HERMES.

Proc. of the Int. Conf. on Quark Nuclear Physics, Jülich/D (2002)

J. VOLMER

Deeply Virtual Compton Scattering at HERA.

Proc. of the 31st Int. Conf. on High Energy Physics (ICHEP2002), Amsterdam/NL (2002) (Nucl. Phys. B, Proc. Suppl.) und hep-ex/0209081

G. WEIGT

Joint Description of Periodic $SL(2, \mathbb{R})$ WZNW Model and its Coset Theories.

Proc. of the 24th Int. Colloq. on Group Theoretical Methods in Physics, Paris/F (2002)

I. WETZORKE

Thermal Dilepton Rates and Meson Spectral Functions from Lattice QCD.

Proc. of 30th Int. Workshop on Gross Properties of Nuclei and Nuclear Excitation, Hirschegg/A (2002) und DESY 02-019, hep-lat/0202031

Z. ZHAO et al.

Report of Snowmass 2001 Working Group E2: Electron-Positron Colliders from the ϕ to the Z.

Proc. of the APS/DPF/DPB Summer Study on the Future of Particle Physics, Snowmass/USA (2001) und hep-ex/0201047

Vorträge

DPG Frühjahrstagung Teilchenphysik, Leipzig/D (2002)

A. BIRON

Resultate einer Punktquellensuche mit AMANDA-B10.

I. BOZOVIC-JELISAVCIC

Study of Anomalous Gauge Boson Couplings at a Photon Collider at TESLA.

T. HAUSCHILDT

Erste Resultate und Status der AMANDA-II Analyse.

- M. KOWALSKI
Status des AMANDA-Experiments.
- T. LASTOVICKA
The Longitudinal and Fractal Structure of the Proton.
- P. LIEBING
Untersuchung der p_T -Verteilungen von Hadronen bei HERMES.
- D. LIPKA
Messung des longitudinalen Phasenraumes am Photoinjektor Teststand in DESY Zeuthen.
- K. LIPKA
Vector-Meson Production at HERMES.
- V. MILTCHEV
Measuring the Transverse Emittance at the Photo Injector Test Facility at DESY Zeuthen.
- S. NECCO
The $N_f = 0$ Heavy Quark Potential as Test of Perturbation Theory.
- A. PETRUKHIN
Towards a Precise Measurement of the Proton Structure Function F_2 at Very Low Q^2 with the H1 Detector.
- M. RIBORDY
AMANDA Angular Resolution Studies.
- A. ROSCA
Light Higgs Production at the TESLA Collider.
- A. STAHL
TESLA: Zukunftsprojekt der Hochenergiephysik.
- H. WISSING
Status und Physikpotential des IceCube-Projekts.
- M. AMARIAN
Exploring the Structure of Matter with HERMES: Challenges and Pitfalls.
Justus-Liebig-Univ. Gießen/D (2002)
- E.C. ASCHENAUER
HERMES RUN II-Physics Program.
Int. Workshop on Current and Future Directions at RHIC, BNL Upton/USA (2002)
- Latest Results from HERMES.
54th Meeting of the DESY PRC, Hamburg/D (2002)
- J. BAEHR
The Photoinjector Test Facility PIZ at DESY Zeuthen and the TESLA Project.
Univ. Montreal/CAN (2002)
- J. BLÜMLEIN
The Light-Cone Expansion and Deeply Virtual Compton Scattering.
Dortmund/D (2002)
- Universal QED Corrections to Polarized Electron Scattering in Higher Orders.
St. Malo/F (2002)
- Polarized Deep Inelastic ep Scattering: Operator Approach.
Cracow/PL (2002)
- QCD Analysis of Polarized Deep Inelastic Scattering Data and Parton Distributions.
Hamburg/D (2002)
London/GB (2002)
Osaka/J (2002)
- QCD and the Parton Model.
3 Lectures, DESY Summer Student Prog., Zeuthen/D (2002)
- Introduction to Quantum Mechanics of Free Elementary Particles.
6 Lectures, Course for High School Teachers, Zeuthen/D (2002)
- Eine Reise in das Innere des Protons.
Cottbus/D (2002)
- I. BOZOVIC-JELISAVCIC
Study of Anomalous Gauge Boson Couplings at a Photon Collider at TESLA.
ECFA/DESY Workshop, St. Malo/F (2002)
- T. CHIARAPPA
2-Point Meson Correlation Function with Overlap Fermions: Preliminary Results.
EU Workshop, Bern/CH (2002)
- M. DELLA MORTE
Light Pions on the Lattice with Wilson-like Fermions.
Wuppertal/D (2002)
- Running Quark Mass in Two Flavor QCD.
Bern/CH (2002)
- S. DÜRR
Topological Susceptibility in QCD: Testing the Vacuum Structure in Unquenched Simulations.
Hamburg/D (2002)
- Analytic Determination of Finite Size Effects on M_π in $N_f = 2$ QCD.
Wuppertal/D (2002)
- Lattice Data Versus Chiral Perturbation Theory: the Case of M_π in 2-Flavour QCD.
Villigen/CH (2002)
- Finite Size Effects on M_π in QCD from Chiral Perturbation Theory and the Lüscher Formula.
Bern/CH (2002)
- U. GENSCHE
Das Forschungszentrum DESY.
Tag der Wissenschaft/Automobil Forum, Berlin/D (2002)
- Status of the TESLA Project.
R&D for TESLA at Zeuthen – The Photoinjector Test Facility.
Bulg. Akad. Wiss., Sofia/BG (2002)
- M. HASENBUSCH
Speeding up the HMC: Clover-Improved Wilson Fermions.
Trinity Coll. Dublin/IRL (2002)
- Monte Carlo Simulations of the 3D Ising Model.
Inst. Adv. Stud. (DIAS), Dublin/IRL (2002)

- PC-Cluster für die Quantenchromodynamik.
Univ. Wuppertal/D (2002)
- Transfer-Matrix Study of the 2D Ising Model in a Magnetic Field.
FU Berlin/D (2002)
Univ. Hamburg/D (2002)
- Eliminating Leading Corrections to Scaling in 3-Dimensional Spin Models.
Univ. Jena/D (2002)
- Hybrid-Monte-Carlo Simulation of Lattice QCD on a PC-Cluster.
Int. Workshop on Science on Cluster Computers, Bad Honnef/D (2002)
- T. HAUSCHILDT
Search for Point Sources with AMANDA.
Europ. Cosmic Ray Conf., Moscow/RUS
- C. HOELBLING
Overlap Fermion Algorithms.
Workshop on Light Quark Phenomenology and Kaon Physics, Zeuthen/D (2002)
- K. JANSEN
Quarks and the Lattice: New Concepts in Lattice Gauge Theories.
Kolloquium, Aachen/D (2001)
- From Enemies to Friends: Chiral Symmetry and the Lattice.
DESY Hamburg/D (2002)
- Chiral Symmetry and the Lattice: A new Alliance in Non-Perturbative Particle Physics.
Kolloquien,
Perugia/I (2002)
Roma II Univ. „Tor Vergata“, Rome/I (2002)
Mainz/D (2002)
Univ. San Diego/USA (2002)
- Structure Functions on the Lattice: Where we stand and where we go.
Europ. Workshop on the QCD Structure of the Nucleon (QCDN'02), Ferrara/I (2002)
- Finite Size Scaling and Gasser-Leutwyler Coefficients from Overlap Fermions.
Workshop des EU Midterm Meeting, Zeuthen/D (2002)
- New Concepts and Developments in Lattice Gauge Theory.
Kolloquium, Göttingen/D (2002)
- Elementary Particle Physics.
NIC WR Sitzung, Zeuthen/D (2002)
- Parton Distribution Functions on the Lattice and in the Continuum.
SFB Begutachtung, Karlsruhe/D (2002)
- Lattice QCD on APE Computers.
Meeting of the APS Division of Computational Physics (CCP 2002), San Diego/USA (2002)
- An Introduction into Lattice Gauge Theory.
DESY Theorie Workshop, Hamburg/D (2002)
- Lattice Gauge Theory and High Performance Computing.
DESY WR Sitzung, Hamburg/D (2002)
- Fortschritte in der Gitter-QCD.
Kolloquium, Freiburg/D (2002)
- TeraFlops for Lattice Gauge Theory.
KET Treffen, Bonn/D (2002)
- F. JEGERLEHNER
Introductory Lecture on Feynman Rules.
DESY Summer Student Progr., Zeuthen/D (2002)
- Präzisionstests des Standardmodells der Elementarteilchen.
Vorlesungen, Humboldt-Univ. Berlin/D (2001/2002)
- Comments on the Measurement of $\sigma_{\text{tot}}(s)$ at Low Energies.
Frascati/I (2001)
- Hadronic Contributions to $g-2$ and Precision Tests of the Standard Model.
Milano/I (2002)
- Das anomale magnetische Moment des Myons – Neue Physik jenseits des Standardmodells?
Bochum/D (2002)
- The Muon Anomalous Magnetic Moment: Status and Perspectives.
Leipzig/D (2002)
- TESLA – Light of the Future.
Kolloquium, Humboldt Stiftung, Katowice/PL (2002)
- Precision Physics at TESLA: The GigaZ Option.
Hamburg/D (2002)
- On the Radiative Corrections to $\pi^+\pi^-$ -Production.
Marseille/F (2002)
- Higher Order Corrections for Standard e^+e^- Annihilation Processes at High Energies.
ECFA/DESY Workshop, St. Malo/F (2002)
- The Loop Verein: European Activities.
LoopFest at BNL Upton/USA (2002)
- Future of Precision Physics.
Univ. New York/USA (2002)
- $g-2$ of the Muon and Precision Tests of the Standard Model.
Wuppertal/D (2002)
- Precision Calculations of Massive Particle Production Processes.
Karlsruhe/D (2002)
- Hadronic Vacuum Polarization Effects in $\alpha_{\text{em}}(M_Z)$ and $(g-2)_\mu$.
DESY Theory Workshop, Hamburg/D (2002)
Frascati/I (2002)
- EURIDICE: Precision Physics Activities.
Frascati/I (2002)
- G. JORJADZE
Joint Description of Periodic $SL(2, R)$ WZNW Model and its Coset Theories.
Bad Herrenalb/D (2002)
- Integrability of Gauged $SL(2, R)$ WZNW Models.
2 Lectures, Tbilisi/GE (2002)

- M. KALMYKOV
Full Two-Loop Electroweak Corrections to the Pole Masses of Gauge Bosons.
Prague/CZ (2002)
- H. KAWAMURA
Universal QED Corrections in High Energy Processes.
JPS Meeting, Kusatsu/J (2002)
- $O(\alpha^2 L)$ Radiative Corrections to Deep Inelastic ep Scattering.
Hamburg/D (2002)
- M. KLEIN
The Status of H1.
Meeting of the HERA Finance Committees, DESY Hamburg/D (2002)
- G. KLEMZ
Studies for the Laser Cavity.
Summary of $\gamma\gamma$ -Technologies Session.
ECFA/DESY Workshop, Prague/CZ (2002)
- M. KOPYTIN
Measurements of Deeply Virtual Compton Scattering at HERMES with a Recoil Detector.
34. Herbstschule für Hochenergiephysik, Maria Laach/D (2002)
- T. KOVÁCS
Unquenching the Topological Susceptibility with Overlap Fermions.
Pisa/I (2002)
EU IHP Workshop, Zeuthen/D (2002)
- Topological Susceptibility and Axial Ward Identity.
DEBLAT Workshop on Lattice Field Theory, Debrecen/H (2002)
Univ. Bern/CH (2002)
Regensburg/D (2002)
- M. KOWALSKI
Physics Results from AMANDA.
Univ. Bonn/D (2002)
- Search for Neutrino Induced Cascades in AMANDA-II.
Int. Conf. on Neutrino Physics and Astrophysics, München/D (2002)
- T. LASTOVICKA
DIS Cross Section at Q^2 about 1 GeV².
10th Int. Workshop on Deep Inelastic Scattering (DIS2002),
Cracow/PL (2002)
- Self Similar Properties of Proton Structure.
Low-x Workshop, Antwerpen/B (2002)
Int. School of Subnuclear Physics, Erice/I (2002)
- P. LIEBING
Extraction of Polarized Parton Distributions from Semi-Inclusive HERMES Data.
Int. Workshop on Current and Future Directions at RHIC, BNL Upton/USA (2002)
- S. LIKHODED
Study of Pair-Produced Neutral Heavy Bosons at LEP Using the L3 Detector.
Univ. Boston/USA
- K. LIPKA
Diffractive Vector-Meson Production at HERMES.
Status of the Photoinjector Test Facility at DESY Zeuthen.
Humboldt-Univ. Berlin/D (2002)
- Measurement of the Longitudinal Phase Space for the Photo Injector Test Facility at DESY Zeuthen.
27th ICFA Advanced Beam Dynamics Workshop, Sardinia/I (2002)
- W. LOHMANN
Physics with the TESLA Collider.
DLNP, Dubna/RUS (2002)
- Allgemeine Physik IV (vom Mikro- zum Makrokosmos).
Vorlesungen, BTU Cottbus/D (2002)
- W. LOHMANN, A. STAHL
Einführung in die Teilchenphysik.
Vorlesungen, BTU Cottbus/D (2002)
- S. MOCH
Fermionic Contributions to Non-Singlet Deep-Inelastic Structure Functions at Three Loops.
Hamburg/D (2002)
- Deep-Inelastic Structure Functions at NNLO.
Parma/I (2002)
- Multiloop Feynman Integrals, Nested Sums and Multiple Polylogarithms.
Bonn/D (2002)
- K. MÖNIG
Backgrounds and Interaction Region Simulation.
Summary of $\gamma\gamma$ -Technologies Session.
ECFA/DESY Workshop, St. Malo/F (2002)
- $\gamma\gamma$ Background Studies.
ECFA/DESY Workshop, Prague/CZ (2002)
- A Photon Collider at TESLA, how Does it Work?
Graduiertenkolleg, Univ. Hamburg/D (2002)
Humboldt-Univ. Berlin/D (2002)
- Physics and Technology of Linear Colliders.
ICFA Instrumentation School, Istanbul/TR (2002)
- $\gamma\gamma$ Detector Studies.
TESLA-INTAS Treffen, Baikal See/RUS (2002)
- e^+e^- Physics, from LEP to TESLA.
DESY Summer Student Programme, Zeuthen/D (2002)
- Elementarteilchenphysik.
Vorlesungen, Univ. Leipzig/D (2002)

H. MOLKE

Wave Functions in the QCD Schrödinger Functional in the Quenched Approximation.
Glasgow/GB (2002)

S. NECCO

Testing Perturbation Theory on the $N_f = 0$ Static Quark Potential.
Southampton/GB (2002)
Torino/I (2002)

Computation of $V(r)$ and Comparison with Perturbation Theory.
CERN/CH (2002)

H. NIETO

Study of $e^+e^- \rightarrow \bar{\mu}^+\mu^-$ at TESLA Energies.
34. Herbstschule für Hochenergiephysik, Maria Laach/D (2002)

H. NOWAK

SUSY at LC – What Can We Detect and Measure?
Euro-GDR General Meeting, Durham/GB (2002)

W.-D. NOWAK

Is There a Chance for Future High Luminosity $e^-(e^+) - N$ Physics in Europe?
Int. Workshop on Hadron Structure & Hadron Spectroscopy, Trieste/I (2002)

D. PLEITER

apeNEXT – A Multi-Teraflop Computer for Lattice Gauge Theory.
DESY Hamburg/D (2002)

A. RASPEREZA

Search for Neutral Higgs Bosons at LEP.
DESY Hamburg/D (2002)

$e^+e^- \rightarrow H_i H_j \rightarrow b\bar{b}\tau^+\tau^-$ Selection and CP Properties of Higgs Bosons.
ECFA/DESY Workshop, Prague/CZ (2002)

W. RHODE

Atmospheric Neutrinos, WIMPS and Monopoles: Physics with the AMANDA Neutrino Telescope.
WIN Conf. 2001

M. RIBORDY

Recherche de sources ponctuelles avec AMANDA.
Univ. Mons/BE

T. RIEMANN

Mid-Term Review of DESY Zeuthen Node of the EU Network Physics at Colliders.
Durham/GB (2002)

Electroweak Corrections to Heavy Fermion Pair Production.
ECFA/DESY Workshop, St. Malo/F (2002)

Status of Electroweak Radiative Corrections to Top Pair Production.
Int. Workshop on Linear Colliders (LCWS2002), Jeju Island/ROK (2002)

A. ROSCA

Light Higgs Production at the TESLA $\gamma\gamma$ -Collider.
ECFA/DESY Workshop, St. Malo/F (2002)

New Results on Light Higgs Production at the TESLA Photon Collider.
ECFA/DESY Workshop, Prague/CZ (2002)

Higgs Physics with a Photon Collider,
Humboldt-Univ. Berlin/D (2002)

G. SCHIERHOLZ

Nucleon Structure from Lattice QCD.
ECT Workshop on Structure of the Nucleon, Trento/I (2002)

Dynamical Higgs Mechanism of Color Confinement.
5th Int. Conf. of the Quark Confinement and the Hadron Spectrum, Gargnano/I (2002)

Simulation of QCD with Dynamical Quarks.
KONWIHR Workshop, Garching/D (2002)

Polarized QCD on the Lattice – Review and Outlook.
HERA-III Workshop, MPI München/D (2002)

G. SCHNELL

Probing Quark Distributions in Semi-Inclusive Single Spin Asymmetries.
Light-Cone 2002, Los Alamos/USA (2002)

H.J. SCHREIBER

Potential to Measure the $H \rightarrow Z\gamma$ Branching Fraction at the Linear Collider.
ECFA/DESY Workshop, St. Malo/F (2002)

Future e^+e^- Collider Sensitivity to the $HZ\gamma$ Coupling.
SIMDET_v4 – Recent Changes and Improvements.
ECFA/DESY Workshop, Prague/CZ (2002)

J. SEKARIC

Measurement of TGCs in $e\gamma \rightarrow W\nu$ Using Leptonic W Decays.
ECFA/DESY Workshop, Prague/CZ (2002)

Measurement of Trilinear W Couplings at a $\gamma\gamma$ - and $e\gamma$ -Collider.
14th Dutch-Belgium-German Joint Summer School, Nijmegen/NL (2002)

A. SHINDLER

Perturbative Aspects of Structure Functions on the Lattice.
DESY Zeuthen/D (2002)

Moments of Parton Densities on the Lattice.
Workshop on Fermion Actions and Chiral Symmetry, Univ. Bern/CH (2002)

H. SIMMA

Status and Progress of apeNEXT.
Bari/I (2002)

R. SOMMER

The Static Quark Potential and Perturbation Theory.
Milano/I (2002)
Rom/I (2002)

Strong Interaction Effects in B-Meson Decays.
Karlsruhe/D (2002)

The Static Quark Potential and Perturbation Theory.
Hamburg/D (2002)

HQET on the Lattice.
The B-Quark Mass with Non-Perturbative Accuracy.
Improvement.
Southampton/GB (2002)

C. SPIERING

High Energy Neutrino Telescopes – Physics and Techniques.
School of Neutrino Astrophysics, Les Houches/F (2002)

Bis ans Ende der Welt – Astrophysik am Südpol.
Kulturverein, Parchim/D (2002)

Der wilde Tanz der Teilchen.
Urania Berlin/D (2002)

A Walk through Modern Cosmology.
DESY Summer Student Programme, Zeuthen/D (2002)

High Energy Neutrino Telescopes – A Promising Decade ahead.
Europ. Cosmic Ray Conf., Moscow/RUS (2002)
LNGS, Gran Sasso/I (2002)
DESY Hamburg/D (2002)
Topical Seminar on Innovative Particle und Radiation Detectors,
Siena/I (2002)

AMANDA – Neutrino Astrophysics at the South Pole.
Univ. Geneva/CH (2002)
Univ. Rostock/D (2002)
API Potsdam/D (2002)

AMANDA – Neutrino Astrophysik am Südpol.
Univ. Osnabrück/D (2002)

Physics Results from AMANDA.
Nat. Res. Counc., Washington/USA (2002)

A. STAHL

Fast Luminosity Monitor.
ECFA/DESY Workshop, Prague/CZ (2002)

TESLA.

Kolloquium, TU Dresden/D (2002)

Symmetrien in der Physik.
Gymnasium Eichwalde/D (2002)

Elementarteilchenphysik.
DESY Summer Student Programme, Zeuthen/D (2002)

Physik IV: Kern- und Teilchenphysik.
Vorlesungen, Univ. Potsdam/D (2002)

F. STEPHAN

The Photo Injector Test Facility at DESY Zeuthen – PITZ.
Graduiertenkolleg der Univ. Hamburg, DESY Zeuthen/D (2002)
Kolloquium, TU Darmstadt/D (2002)
DESY Summer Student Programme, Zeuthen/D (2002)

Photo Injector for TTF-FEL.
ICFA Workshop (2002)

Commissioning and First Results from the Photo Injector Test
Facility at DESY Zeuthen (PITZ).
ICFA Workshop, Sardinia/I (2002)

T. STREUER

Dynamics of Magnetic Monopoles in Full QCD.
INTAS-Meeting, Moscow/RUS (2002)

M. UNGER

Measurement of the Atmospheric Muon Spectrum with L3+C.
18th Europ. Cosmic Ray Sympos. (ECSR), Moscow/RUS (2002)

Studies of the Cosmic Ray Muon Spectrum.
NEEDS Workshop, Karlsruhe/D (2002)

A. VAN DEN BROUCKE

The HERMES Recoil Detector.
14th Annual Graduate School of Particle Physics, Joint Belgian-
Dutch-German Summer School, Nijmegen/NL (2002)

J. VOLMER

Recent Spin Physics Results from HERMES.
29th Rencontre de Physique de la Vallée d'Aoste, La Thuile/I
(2002)

M. WALTER

TESLA and PITZ Projects at DESY.
Tsinghua Univ., Beijing/PRC (2002)

Advanced Detection Technologies in High Energy Physics and
Applications to other Fields.

11th Conf. on Nucl. Electronics and Detection Technol. of the
China Nuclear Association, Xiamen/PRC (2002)

A. WERTHENBACH

Electroweak 1-Loop Radiative Corrections to $e^+e^- \rightarrow t\bar{t}(\gamma)$.
St. Malo/F (2002)

I. WETZORKE

Recent Results on Pion Structure Functions on the Lattice.
DESY Theory Workshop, Hamburg/D (2002)

Dissertationen

A. BIRON

Search for Atmospheric Muon-Neutrinos and Extraterrestrial Neu-
trino Point Sources in the 1997 AMANDA-B10 Data.
Humboldt-Univ. Berlin/D (2002)
DESY-THESIS-2002-025

A. KRÜGER

Measurement of Hadronic Final States with the L3 Detector at LEP.

Humboldt-Univ. Berlin/D (2002)

S. LIKHODED

Search for the Higgs Boson and a Study of $e^+e^- \rightarrow ZZ$ Using the L3 Detector at LEP.

Humboldt-Univ. Berlin/D (2002)

A. RASPEREZA

Search for Neutral Higgs Bosons in e^+e^- Collisions.

Humboldt-Univ. Berlin/D (2002)

DESY-THESIS-2002-034 (2002)

A. ROSCA

Search for a Higgs Boson in the Two Photon Decay Mode in e^+e^- Collisions at LEP.

Humboldt-Univ. Berlin/D (2002)

T. SCHMIDT

Aufbau und Funktionsnachweis eines Optischen Moduls mit optisch-analoger Pulsübertragung für den AMANDA-II- und IceCube-Detektor.

Humboldt-Univ. Berlin/D (2002)

Diplomarbeiten

S. BOESER

Separation of Atmospheric Neutrinos with the AMANDA-II Detector.

TU München/D (2002)

V. MILTCHEV

Construction and Commissioning of a Transverse Emittance Measurement System for the Photoinjector Test Facility at DESY Zeuthen.

Humboldt-Univ. Berlin/D (2002)

C. URBACH

Untersuchung der Reversibilitätsverletzung im Hybrid-Monte-Carlo-Algorithmus.

FU Berlin/D (2002)

A. SHINDLER

Perturbative Aspects of Structure Functions on the Lattice.

Univ. Roma II „Tor Vergata“, Rom/I (2002)

Interne Berichte

M. KOPYTIN et al.

Decision on the Readout Chip for the New HERMES Silicon Recoil Detector.

HERMES Internal Report 02-020

J. VOLMER, M. EHRENFRIED, A. SCHWIND

Results from Rate Measurements inside the Transverse Magnet Chamber.

HERMES Internal Report 02-002

M-Bereich

Veröffentlichungen

TESLA XFEL

Technical Design Report – Supplement.

DESY 02-167

V. AYVAZYAN et al.

A New Powerful Source for Coherent VUV Radiation: Demonstration of Exponential Growth and Saturation at the TTF Free-Electron Laser.

Eur. Phys. J. D20 (2002) 149 und DESY 02-065

D.P. BARBER, G. RIPKEN

Radiative Polarization in Electron Storage Rings.

Computer Algorithms and Spin Matching.

In: Handbook of Accelerator Physics and Engineering, A.W. Chao, M. Tigner (Eds.), World Scientific, Singapore/SGP (2002)

W. BREFELD et al.

Schemes for Time-Resolved Experiments at the TTF FEL.

DESY 02-038

Study of the Frequency Multiplication Process in a Multistage HGHG FEL.

Nucl. Instrum. Methods A483 (2002) 80

H.S. DUMAS, J.A. ELLISON, M. VOGT

First Order Averaging for Maps with Applications to Beam Dynamics in Particle Accelerators.

Zur Veröffentl. in Nonlinearity

J. FELDHAUS, E.L. SALDIN, E.A. SCHNEIDMILLER, M.V. YURKOV

Photon Ring Multi-User Distribution System for a Soft X-Ray SASE FEL Laboratory.

DESY 02-026

G. GELONI, J. BOTMANN, J. LUITEN, M. VAN DER WIEL, M. DOHLUS, E.L. SALDIN, E.A. SCHNEIDMILLER, M.V. YURKOV

Transverse Self-Fields within an Electron Bunch Moving in an Arc of a Circle.

DESY 02-048

G. GELONI, E. SALDIN

On Energy and Momentum of an Ultrarelativistic Unstable System.

DESY 02-201, physics/0211093

G.H. HOFFSTAETTER, F. WILLEKE

Beam Based Alignment of Interaction Region Magnets.

Phys. Rev. STAB 5 (2002) 10281 und DESY 02-069

P. KNEISEL, G. MYNENI, M. PEKELER, W. SINGER, X. SINGER

Post-Purification of the End Groups for the Medium Beta SNS Cavities.

Jefferson Lab. Technical Note 02-051

- K. KUBO et al.
Extremely Low Vertical-Emittance Beam in the Accelerator Test Facility at KEK.
Phys. Rev. Lett. 88 (2002) 194801
- E.L. SALDIN, E.A. SCHNEIDMILLER, M.V. YURKOV
Scheme for Attophysics Experiments at an X-Ray SASE FEL.
Optics Commun. 212 (2002) 377 und DESY 02-070
- Study of a Noise Degradation of Amplification Process in a Multistage HGHG FEL.
Optics Commun. 202 (2002) 20
- Scheme for Time-Resolved Experiments Based on the Generation of Femtosecond Pulses by a Sideband-Seeded Soft X-Ray SASE FEL.
Optics Commun. 205 (2002) 385
- An Analytical Description of Longitudinal Phase Space Distortions in Magnetic Bunch Compressors.
Nucl. Instrum. Methods A483 (2002) 516
- Femtosecond Resolution Experiments at Third-Generation Light Sources: A Concept Based on the Statistical Properties of Synchrotron Radiation.
DESY 02-127
- W. YE, H.-G. BROKMEIER, W. SINGER
Non-Destructive Texture Analysis of Co-Extruded Cu-Nb Tube.
Material Sci. Forum 408-412 (2002) 185
- Veröffentlichte Vorträge**
- Proc. of the 8th Europ. Part. Accel. Conf. (EPAC2002), Paris/F (2002)**
- I.V. AGAPOV, G.H. HOFFSTAETTER, E. VOGEL
Bunched Beam Echoes in the HERA Proton Ring.
- S. ARUTUNIAN, A. AVETISIAN, N. DOBROVOLSKI, M. MAYILYAN, I. VASINIUK, K. WITTENBURG, R. REETZ
Problems of Installation of Vibrating Wire Scanners into Accelerator Vacuum Chambers.
- V. AYVAZIAN, K. REHLICH, S.N. SIMROCK, G. AMATUNI, A. YAYLOYAN
The Design of the Control System for CANDLE.
- D.P. BARBER, G.H. HOFFSTAETTER, M. VOGT
Polarised Protons in HERA.
- G. BASSI, H. MAIS, A. BAZZANI, G. TURCHETTI
Time Evolution of the Particle Distribution in Beam Physics: The Echo Effect.
- G. BISOFFI et al.
Superconducting RFQs Ready for Ion Beam Operation at INFN-LNL.
- G.A. BLAIR, T. KAMPS, H. LEWIN, F. POIRIER, S. SCHREIBER, N. WALKER, K. WITTENBURG
R&D Towards a Laser Based Beam Size Monitor for the Future Linear Collider.
- F. BRINKER, W. DECKING, G.H. HOFFSTAETTER, J. KEIL, T. LIMBERG, M. MINTY, M. SEIDEL, R. WANZENBERG, F. WILLEKE
Beam Based Alignment of Combined Function Magnets in the Upgraded HERA Interaction Regions.
- R. BRINKMANN
Applications of Flat to Round Beam Transformation for Radiation Sources.
- J.-P. CARNEIRO, K. FLÖTTMANN, P. PIOT, N. BAROV, K. DESLER, D. EDWARDS, M. FERRARIO
Study of a Magnetic Chicane at the FNAL/NICADD Photo-Injector Using Remote Operation from DESY.
- P. CASTRO
Demonstration of Exponential Growth and Saturation at VUV Wavelengths at the TTF Free Electron Laser.
Performance of the TESLA Test Facility Linac.
- P. CASTRO, C. LACKAS, M. SEIDEL, M. WENDT
Orbit Analysis at the TTF Linac Using Model Independent Methods.
- G. DEVANZ, M. JABLONKA, C. MAGNE, O. NAPOLY, M. HUENING, M. WENDT
HOM Beam Coupling Measurements at the TESLA Test Facility (TTF).
- M. DOHLUS, S.G. WIPF, V. KALJUZHNY
Higher Order Mode Absorption in TTF Modules in the Frequency Range of the Third Dipole Band.
- H.-J. ECKOLDT
Power Supplies for TESLA Test Facility 2. (Poster)
- H.-J. ECKOLDT, H. MARTIROSSIAN
Electronic Logbook. (Poster)
- N. HEIDBROOK
Correction Magnet Power Supplies. (Poster)
- G.H. HOFFSTAETTER
Luminosity Scans at HERA.
- G.H. HOFFSTAETTER, H.S. DUMAS, J.A. ELLISON
Adiabatic Invariants for Spin-Orbit Motion.
- G.H. HOFFSTAETTER, B. HOLZER, F. WILLEKE, A. MESECK
Measurement of HERA's Central RF Frequency.
- G.H. HOFFSTAETTER, J. KEIL, A. XIAO
Orbit-Response Matrix Analysis at HERA.
- G.H. HOFFSTAETTER, F. WILLEKE
Beam-Beam Limit with Hourglass Effect in HERA.
- J.-P. JENSEN, S. CELIK
Investigation into the Air Conditioning of Long Undulator Sections in Tunnels. (Poster)

- J.-P. JENSEN, F. HOERTZ, D. KÖNIG
Coaxial Gas Insulated Line with Low Stray Field for Power Transmission. (Poster)
- K. KNAACK, M. WENDT, K. WITTENBURG, R. NEUBERT, W. VODEL, A. PETERS
Cryogenic Current Comparator for Absolute Measurements of the Dark Current of Superconducting Cavities for TESLA.
- W. KRIENS, U. HURDELBRINK, H. BURKHARDT
An Energy Loss Measurement at HERA-p. (Poster)
- L. LILJE, S.N. SIMROCK, D. KOSTIN, M. FOUAIDY
Characteristics of a Fast Piezo-Tuning Mechanism for Superconducting Cavities.
- T. LIMBERG, P. PIOT, F. STULLE
Numerical Investigations of Coherent Synchrotron Radiation Driven Instability in Magnetic Bunch Compressors.
- Design and Performance Simulation of the TTF-FEL II Bunch Compression System.
- E. MÉTRAL, G.H. HOFFSTAETTER, F. WILLEKE
Destabilising Effect of Linear Coupling in the HERA Proton Ring.
- M. MINTY
Recent Studies of the Beam-Beam Interaction with Parasitic Collisions: Experiments. (Invited Talk)
- D. NÖLLE for the TESLA Collaboration
The Diagnostic System of TTF II.
- D. ONOPRIENKO, M. SEIDEL, P. TENENBAUM
Measurements of Resistivity Dominated Collimator Wakefield Kicks at the SLAC.
- J. PETERS
Internal versus External RF Coupling into a Volume Source.
- H. SCHLARB
Design and Performance of the TESLA Test Facility Collimation System.
- Simulation of Dark Current Transport through the TESLA Test Facility Linac.
- H. SCHLARB, M. STAACK, K. WITTENBURG, D. PUGACHOV, Y. CHERNOUSKO, I. KROUPCHENKOV, A. IVANOV, S. MAKONIN, V. GORBUNOV, V. GRETCHKO
Expansion of the Fast Linac Protection System for High Duty Cycle Operation at the TESLA Test Facility.
- S. SCHREIBER, J.-P. CARNEIRO, C. GERTH, K. HONKAVAARA, M. HÜNING, P. PIOT, E. SCHNEIDMILLER, M. YURKOV
Improved Operation of the TTF Photoinjector for FEL Operation.
- M. SEIDEL, P. CASTRO, C. LACKAS, M. WENDT
Orbit Analysis at the TTF Linac Using Model Independent Methods.
- A. VARDANYAN, V. AYVAZYAN, S.N. SIMROCK
An Analysis Tool for RF Control for Superconducting Cavities.
- E. VOGEL
Examination of the Longitudinal Stability of the HERA Proton Ring.
- F. WILLEKE
HERA Status and Perspectives of Future Lepton-Hadron Colliders. (Invited Talk)
- K. WITTENBURG
Beam Loss Monitoring and Control. (Invited Talk)
- Proc. of the 24th Int. Free Electron Laser Conf. and 9th FEL Users Workshop (FEL2002), Argonne/USA (2002) (Nucl. Instrum. Methods A)**
- K. ABRAHAMYAN et al.
RF Commissioning of the Photo Injector Test Facility at DESY Zeuthen.
- V. AYVAZYAN et al.
Study of the Statistical Properties of the Radiation from a VUV SASE FEL Operating in the Femtosecond Regime.
- R. BAKKER et al.
First Beam Measurements at the Photo Injector Test Facility at DESY Zeuthen.
- W. BREFELD et al.
Scheme for Time-Resolved Experiments Based on the Use of Statistical Properties of the Third Harmonic of the SASE FEL Radiation.
- B. FAATZ for the TTF-FEL Team
The SASE FEL at the TESLA Test Facility as User Facility. (Invited Talk)
- B. FAATZ et al.
VUV FEL Driven RF Gun.
- J. FELDHAUS, T. MÖLLER, E.L. SALDIN, E.A. SCHNEIDMILLER, M.V. YURKOV
Pump-Probe Experiments in the Femtosecond Regime, Combining First and Third Harmonics of SASE FEL Radiation.
- J. FELDHAUS, E.L. SALDIN, E.A. SCHNEIDMILLER, M.V. YURKOV
Photon Ring Multi-User Distribution System for Soft X-Ray SASE FEL Laboratory.
- G. GELONI, J. BOTMANN, J. LUITEN, M. VAN DER WIEL, M. DOHLUS, E.L. SALDIN, E.A. SCHNEIDMILLER, M.V. YURKOV
Transverse Self-Fields within an Electron Bunch Moving in an Arc of a Circle.
- C. GERTH, J. FELDHAUS, K. HONKAVAARA, K.D. KAVANAGH, P. PIOT, L. PLUCINSKI, S. SCHREIBER, I. WILL
Bunch Length and Phase Stability Measurements at the TESLA Test Facility.

R. ISCHEBECK, J. FELDHAUS, C. GERTH, E.L. SALDIN, E.A. SCHNEIDMILLER, B. STEEG, K. TIEDTKE, M. TONUTTI, R. TREUSCH, M.V. YURKOV

Study of the Transverse Coherence at the TTF Free Electron Laser.

L. JUHA et al.

Ablation of Various Materials with Intense XUV Radiation.

C. PAGANI, E.L. SALDIN, E.A. SCHNEIDMILLER, M.V. YURKOV

VUV Lithography Based on SiC Reflective Optical Systems and SASE FEL Coherent Light Sources as a Natural Extension to Shorter Wavelengths of Present-Day Optical Lithography Technology.

J. PFLÜGER, B. FAATZ, M. TISCHER, T. VIELITZ

Radiation Exposure and Magnetic Performance of the Undulator System for the VUV FEL at the TESLA Test Facility Phase-1 after Three Years of Operation.

J. PFLÜGER, U. HAHN, B. FAATZ, M. TISCHER

Undulator System for the VUV-FEL at the TESLA Test Facility Phase-2.

J. ROSSBACH for the TTF FEL Group

Demonstration of Gain Saturation and Controlled Variation of Pulse Length at the TESLA Test Facility FEL. (Invited Talk)

E.L. SALDIN, E.A. SCHNEIDMILLER, M.V. YURKOV

Statistical Properties of Radiation from SASE FEL Driven by Short Electron Bunches.

Coherence Properties of the Radiation from SASE FEL.

Scheme for Attophysics Experiments at an X-Ray SASE FEL.

J. SCHULZ, H. WABNITZ, T. LAARMANN, P. GUERTLER, W. LAASCH, A. SWIDERSKI, A.R.B. DE CASTRO, T. MÖLLER

Energy Absorption of Free Rare Gas Clusters Irradiated by Intense VUV Pulses of a Free Electron Laser.

R. SOBIERAJSKI et al.

Structural Changes at Solid Surfaces Irradiated with Femtosecond, Intense XUV Pulses Generated by TTF-FEL.

B. STEEG, S. JACOBI, R. SOBIERAJSKI, C. MICHAELSEN, J. FELDHAUS

Total Reflection Mirrors for VUV Free Electron Lasers.

M. TISCHER, P. ILINSKI, U. HAHN, J. PFLÜGER, H. SCHULTE-SCHREPPING

Commissioning of Multi-Segmented Undulators at the TESLA X-Ray FEL.

M. WENDT for the TESLA Collaboration.

Electron Beam Diagnostics for TTF II.

Proc. of the 21st Int. LINAC Conf. (LINAC2002), Gyeongju/ROK (2002)

K. FLÖTTMANN for the TESLA Collaboration

The TESLA Linear Collider and X-Ray FEL. (Invited Talk)

L. LILJE

High Gradient Multicell Superconducting Cavities.

J. PETERS

The New HERA H-RF Volume Source.

D. PROCH

Techniques in High-Power Components for SRF Cavities – A Look to the Future.

J. ROSSBACH for the TESLA FEL Group

Short-Wavelength, Single-Pass Free-Electron Lasers. (Invited Talk)

S.N. SIMROCK

Lorentz Force Compensation of Pulsed SRF Cavities.

H. WEISE

Operational Experience with the Test Facilities for TESLA. (Invited Talk)

Proc. of the 9th Int. Workshop on Linear Colliders (LC2002), Stanford/USA (2002)

W. BIALOWONS

TESLA Design: Conventional Facilities Overview.

TESLA: A Superconducting Linear Collider with an Integrated or a Separated X-Ray Free Electron Laser Facility at DESY.

S. CHOROBA

Klystrons for TESLA.

Modulators for TESLA.

Comments on the TESLA RF Operation and Reliability.

L. LILJE

High Accelerating Gradients in TESLA Cavities.

W.-D. MOELLER for the TESLA Collaboration

RF Couplers for TESLA Cavities.

J. ROSSBACH

Free-Electron Lasers and the Overlap of Accelerator Physics and Technology with Linear Colliders. (Invited Talk)

H. WEISE

Status of and Results from the TTF Linac Operation and Outlook TTF.

Proc. of the 4th Int. Workshop on PCs and Part. Accel. Controls (PCaPAC2002), Frascati/I (2002)

R. BACHER

The Global Accelerator Network – Globalisation of Accelerator Operation and Control.

R. BACHER, M. CLAUSEN, P. DUVAL, Z. KAKUCS

Monitored Archiving Controlled by Event.

P. DUVAL

TINE Release 3.20: Status Report.

P. DUVAL, Z. KAKUCS, M. KADUNC, I. KRIZNAR, M. PLESKO, A. PUCELJ, G. TKACIK
The Babylonization of Control Systems.

P. DUVAL, H.G. WU
ACOP as a JAVA Bean.

P. DUVAL, V. YARYGIN
Rendering Control System Applications.

A. GÖSSEL, G. GRYGIEL
Automated Installation of Operating System and Control System.

O. HENSLER, R. KAMMERING, A. PETROSYAN, K. REHLICH
An XML Based Web Service for an Electronic Logbook.

O. HENSLER, R. KAMMERING, K. REHLICH, K. WINDSZUS
A Proposal for a Central Error Server Using Web Services.

S. HERB, R. SCHMITZ, R. SCHRÖDER, H. SCHULZ
Upgrade for the HERA/PETRA/DORIS Accelerator Control Network at DESY.

K. HINSCH, U. LAUSTRÖER, R. SCHMITZ, W. SCHÜTTE
How to Survive the Upgrade Treadmill.

V. KOCHARYAN, K. REHLICH
JDOOCS – A Java Library for DOOCS.

K. REHLICH
The TESLA Test Facility as a Prototype for the Global Accelerator Network.

D.P. BARBER, E. GIANFELICE
Polarised e^\pm at HERA.
Proc. of the 10th Int. Workshop on Deep Inelastic Scattering, Cracow/PL (2002)

H. BRÜCK et al.
Operational Experience with the New Superconducting Luminosity Upgrade Magnets at HERA.
Proc. of the 19th Int. Cryogenic Engineering Conf. (ICEC 19), Grenoble/F (2002)

B. HOLZER
Persistent Currents in Superconducting Storage Rings and Dynamic Effects on the Beam.
Proc. of the CERN Accel. School (CAS): Superconductivity and Cryogenics for Accelerators and Detectors, Erice/I (2002)

V. KATALEV, S. CHOROBA
RF Power Distribution Waveguide Systems for TESLA.
Proc. of the 18th Conf. on Charged Part. Accel. (RUPAC2002), Obninsk/RUS (2002)

M. MÜCK, C. WELZEL, A. FARR, F. SCHÖLZ, W. SINGER
Nondestructive Testing of Niobium Sheets for Superconducting Resonators.
Proc. of the Applied Superconductivity Conf., Houston/USA (2002)

D. PROCH
RF Cavities Fabrication.
Proc. of the CERN Accel. School (CAS): Superconductivity and Cryogenics for Accelerators and Detectors, Erice/I (2002)

W. SINGER
RRR Degradation and Gas Absorption in the EB Welding Area of High Purity Niobium.

Development of a Nondestructive Testing System on Niobium Sheets on a SQUID Basis.
Proc. of the Int. Workshop on Hydrogen in Materials & Vacuum Systems, Newport News/USA (2002)

W. VODEL, R. NEUBERT, S. NIETZSCHE, K. KNAACK, M. WENDT, K. WITTENBURG, A. PETERS
Cryogenic Current Comparator for Absolute Measurements of the Dark Current of Superconducting Cavities for TESLA.
Proc. of the Applied Superconductivity Conf. (ASC2002), Houston/USA (2002)

R. WANZENBERG
Emittance Dilution in HERA-p: Lessons and Overview.
Proc. of the 20th ICFA Advanced Beam Dynamics Workshop (ICFA-HB2002), Batavia/USA (2002)

S. WOLFF
Cryogenics for Future Large Particle Accelerators.
Proc. of the 19th Int. Cryogenic Engineering Conf. (ICEC19), Grenoble/F (2002)

Vorträge

R. BACHER
Thoughts about Remote Operation in a Global Accelerator Network (GAN): Engineering Designs and Organizational Structures from the Engineer's and Operator's Point of View.
Workshop on Remote Operations, Shelter Island/USA (2002)

D.P. BARBER
Polarised Protons and Deuterons in HERA. (Invited Talk)
Workshop on Future Physics at HERA, Durham/GB (2001)

Polarised High Energy Beams. (Invited Talk)
1st HERA-III Workshop: The New Frontier in Precision Lepton-Nucleon Physics, München/D (2002)

D.P. BARBER, R. JAGANATHAN, M. VOGT
Spin Tune in the Single Resonance Model with a Pair of Siberian Snakes. (Invited Talk)
15th Int. Spin Physics Sympos. (SPIN2002), Upton/USA (2002)

W. BIALOWONS
„Was nutzt uns Grundlagenforschung?“
TESLA: Ein Tunnel durch den Kreis Pinneberg und ein Forschungszentrum in Ellerhoop.
„Fit for Future“, Europ. Surgical Inst. ESI, Norderstedt/D (2002)

TESLA: Ein außergewöhnlicher Tunnel durch den Kreis Pinneberg und ein Forschungszentrum in Ellerhoop oder „Was nutzt uns eigentlich Grundlagenforschung?“
Schleswig AG, Rendsburg/D (2002)

W. BIALOWONS, L. HÄNISCH

TESLA: Ein außergewöhnliches unterirdisches Bauwerk für die Grundlagenforschung.

FB Bauingenieurwesen, Braunschweig/D (2002)

S. CHOROBA

The TESLA RF-System.

1st Open Meeting of the High Power RF Faraday Partnership, London/GB (2002)

RF System Reliability.

TESLA Collab. Meeting, Daresbury/GB (2002)

P. FOLKERTS, W. BIALOWONS

TESLA: Ein Tunnel unter Bokholt-Hanredder und ein Forschungszentrum in Ellerhoop.

Bokholt-Hanredder/D (2002)

TESLA: Ein Tunnel unter Westerhorn und ein Forschungszentrum in Ellerhoop.

Westerhorn/D (2002)

S. HERB

Tune Measurements in HERA-p Using Chirped Beam Excitation. CERN Workshop on Use of Phase-Locked Loops for Tune Measurement and Control in Proton Machines, Geneva/CH (2002)

G.H. HOFFSTAETTER

HERA after the Luminosity Upgrade. (Invited Talk)

Workshop on Future Physics at HERA, Durham/GB (2001)

Accelerator Rings with Polarized Beams and Spin Manipulators. (3 Lectures)

COSY Summer School, Jülich/D (2002)

A Review of Electrodynamics.

A Review of Special Relativity. (Lecture)

Joined Univ. Accel. School JUAS, Archamps/F (2002)

B. HOLZER

RHIC: The DESY Perspective, Operation and Performance of the Machine.

RHIC Retreat Workshop, BNL Upton/USA (2002)

L. LILJE

Superconducting RF. (Lecture series)

Accelerator Physics and Technologies for Linear Colliders, Univ. Chicago/USA (2002)

J. LORKIEWCZ

Vacuum Deposition of TiN.

Workshop on High Power Couplers for SC Accelerators, Newport News/USA (2002)

W.-D. MOELLER

Pulsed High Peak Power Couplers for Superconducting Cavities.

Workshop on High Power Couplers for SC Accelerators, Newport News/USA (2002)

D. NÖLLE

Electron Beam Diagnostics for SASE FELs.

24th Advanced ICFA Beam Dynamics Workshop on Future Light Sources, Hyogo/J (2002)

K. REHLICH

TTF Remote Operations.

Enabling the Global Accel. Network GAN, Cornell/USA (2002)

TESLA Test Facility.

Workshop on Remote Operations, Shelter Island/USA (2002)

J. ROSSBACH

High-Gain Free-Electron Lasers. (Tutorial Lectures)

Joint CERN-US-Japan Accel. School, Long Beach/USA (2002)

TESLA X-Ray Free Electron Laser – A Status Report. (Invited Talk)

ICFA Mini-Workshop on Coherent Synchrotron Radiation Effects, Zeuthen/D (2002)

S.N. SIMROCK

Reliability of RF Control for TESLA.

TESLA Collab. Meeting, Daresbury/GB (2002)

W. SINGER

Material Properties of High Purity Niobium for Superconducting Cavities.

Niobium for Cavities Workshop, FNAL, Batavia/USA (2002)

Quality Requirements and Control of High Purity Niobium for Superconducting RF Cavities.

Workshop on Superconductor for Practical Application, Xi'an/PRC (2002)

E. VOGEL

Fast Longitudinal Proton Beam Diagnostics at HERA.

CERN Accel. Phys. Forum, Geneva/CH (2002)

H. WEISE

LC Technology.

Santa Cruz Linear Collider Retreat, Santa Cruz/USA (2002)

K. WITTENBURG

DESY Diagnostic Overview and Summary of Session 3.

11th ICFA Int. Mini-Workshop on Diagnostics for High-Intensity Hadron Machines, Oak Ridge/USA (2002)

K. ZAPFE

The Vacuum System of the Superconducting Linac of the TESLA Test Facility.

Spallation Neutron Source, Oak Ridge/USA (2002)

Dissertationen

M. HÜNING

Analysis of Surface Roughness Wake Fields and Longitudinal Phase Space in a Linear Electron Accelerator.

Univ. Hamburg/D (2002)

DESY-THESIS-2002-029

E. VOGEL

Fast Longitudinal Diagnostics for the HERA Proton Ring.

Univ. Hamburg/D (2002)

DESY-THESIS-2002-010

Interne Berichte

Contributions to the 8th European Particle Accelerator Conference (EPAC2002), Paris/F (2002).
DESY M 02-01

P. PIOT
Review of Experimental Results on High-Brightness Photo-Emission Electron Sources.
DESY M 02-02

TESLA Berichte

Transparencies from the Meeting on Cold- and Beam-Test of the First Nb Superstructure Prototypes, Hamburg/D (2002).
DESY-TESLA 2002-04

Transparencies from the Workshop on Single-Cell Cavity R&D, Hamburg/D (2002).
DESY-TESLA 2002-07

P. CASTRO for the TESLA Commissioning Study Group
First Thoughts on Commissioning of the TESLA Collider.
DESY-TESLA 2002-09

P. CASTRO, M. SEIDEL
Orbit Analysis at the TTF Linac Using Model Independent Methods.
DESY-TESLA 2002-02

W. DECKING, A. WOLSKI
Comparison of Emittance Tuning Simulation in the NLC and TESLA Damping Rings.
DESY-TESLA 2002-10

Alignment Stability Models for Damping Rings.
DESY-TESLA 2002-11

M. DOHLUS, S.G. WIPF, V. KALJUZHNY
Higher Order Mode Absorption in TTF Modules in the Frequency Range of the 3rd Dipole Band.
DESY-TESLA 2002-05

Resonance Frequencies and Q-Factors of Multi-Resonance Complex Electromagnetic Systems.
DESY-TESLA 2002-12

D. HECHT, H.-W. GLOCK, U. VAN RIENEN
Influence of Beam Pipe Waist on Higher Order Mode Shunt Impedances.
DESY-TESLA 2002-03

M. SEIDEL, D. TRINES, K. ZAPFE
Failure Analysis of the Beam Vacuum in the Superconducting Cavities of the TESLA Main Linear Accelerator.
DESY-TESLA 2002-06

V. SHEMELIN, H. PADAMSEE
The Optimal Shape of Cells of a Superconducting Accelerating Section.
DESY-TESLA 2002-01

N. VON BARGEN, U. HAHN, O. HENSLER, S. KARSTENSEN, M. SACHWITZ, H. SCHLARF, H. THOM
Prototyp eines Wirescanners für TTF2.
DESY-TESLA 2002-08

TESLA FEL Berichte

The TESLA Test Facility FEL Team
SASE FEL at the TESLA Facility, Phase 2.
DESY-TESLA-FEL 2002-01

B. FAATZ (Ed.)
Contributions to the FEL2002 Conference.
DESY-TESLA-FEL 2002-06

P. PIOT for the TTF-FEL Team
The TESLA Test Facility FEL: Its Present Status and Future as a User Facility.
DESY-TESLA-FEL 2002-08

P. PIOT, L. CARR, W.S. GRAVES, H. LOOS
Subpicosecond Compression by Velocity Bunching in a Photo-Injector.
DESY-TESLA-FEL 2002-07

E.L. SALDIN, E.A. SCHNEIDMILLER, M.V. YURKOV
Klystron Instability of a Relativistic Electron Beam in a Bunch Compressor.
DESY-TESLA-FEL 2002-02

J. SEKUTOWICZ, R. WANZENBERG, W.F.O. MUELLER, T. WEILAND
A Design of a 3rd Harmonic Cavity for the TTF2 Photoinjector.
DESY-TESLA-FEL 2002-05

Strahlenschutz

Veröffentlichungen

A. LEUSCHNER
Feasibility Study on an Active Neutron Dosimeter Based on Carbon Activation for the Linear Collider TESLA.
Proc. of the SATIF-6 Meeting, Stanford/USA (2002)

Interne Berichte

A. LEUSCHNER
PETRA 2 und PETRA 3, wie Hund und Katze.
DESY D3-117

Sicherheit gegenüber ionisierender Strahlung an der TESLA Test Facility, Phase 2 (TTF2).
DESY D3-118

N. TESCH
Ergebnisse von Strahlenschutzmessungen am DESY im Jahre 2001.
DESY D3-98

Z-Bereich

Veröffentlichte Vorträge

Proceedings of the 7th Int. Workshop on Accelerator Alignment, Spring-8, Harima Science Garden City/J (2002)

W. BENECKE

TESLA Test Facility – The Way to TESLA.

A. HERTY

High Precision Survey and Alignment of Large Linear Colliders – 2D Horizontal Alignment.

A. HERTY, J. PRENTING, M. SCHLÖSSER

Next Generation Linear Colliders. (Poster)

G. NEUBAUER

TESLA – A Challenge in Planning Large Facilities.

J. PRENTING

TESLA – The Range of Survey and Alignment Work.

J. PRENTING, W. LIEBL

Status Report on the Survey and Alignment of Accelerators and Storage Rings at DESY.

M. SCHLÖSSER

High Precision Survey and Alignment of Large Linear Colliders – Vertical Alignment.

R. BALTRUSCH

The Start of the Windows 2000/XP Project at DESY.
Proc. of the 6th HEPiX-HEPNT Joint Meeting, Catania/I (2002)

P. VAN DER REEST

DESY Site Report.
Proc. of the 6th HEPiX-HEPNT Joint Meeting, Catania/I (2002)

K. WOLLER.

DESY Site Report.
Proc. of the 7th HEPiX-HEPNT Joint Meeting, Fermilab Batavia/USA (2002)

Vorträge

J. DICKE

Wissenschaftlicher Gerätebau.
Programmierorientierte Förderung (PoF) – was nun?
HGF-Ausschuss Technische Dienste, FZ Jülich/D (2002)

M. GASTHUBER

Providing GRID Data Services Today.
8th Int. Workshop on Adv. Computing and Analysis Techniques in Physics Research (ACAT2002), Moscow/RUS (2002)

V. GÜLZOW

Computing @DESY.
RAPS-Workshop, Manno/CH (2002)

L. HAGGE, J. KREUTZKAMP, E. DEFFUR, A. GELLRICH, B. SCHULZ

Einführung eines IT Asset Management Systems am DESY.
Peregrine User Group (PUG) Jahrestreffen, München/D (2002)

L. HAGGE, K. LAPPE

Erfahrungen mit Anforderungsmanagement in einem interdisziplinären Projekt.
Gesellschaft für Informatik, Fachgruppentreffen Requirements Engineering, Ulm/ D (2002)

H. MÜNCH

Das Linear-Collider Projekt TESLA – Stand der Vorbereitungen und physikalisch-technisches Grundkonzept.
Fraunhofer-Institut für Fabrikbetrieb und -automatisierung, Magdeburg/D (2002)

P. VAN DER REEST

Site Report DESY Hamburg.
AFS Workshop, ETH Zürich/CH (2002)

Diplomarbeiten

K. LAPPE

Projektplanung und -steuerung bei der Erstellung von Multimedia-CD-ROMs durch objektorientierte Geschäftsprozessmodellierung.
HAW Hamburg/D (2002)
DESY-THESIS-2002-037

O. WEREWKA

Design and Implementation of an XML-Based Call-Tracking-System for Monitoring and Improving Business Process Performance.
Silesian Univ. Technol., Gliwice/PL (2001)
DESY-THESIS-2002-038