

Veröffentlichungen und Vorträge

DESY-Kolloquien

- E. SCHEER (Karlsruhe/D)
Electronic Transport through Atomic-Size Contacts.
3.2.2000
- J. Schmitt (Hamburg/D)
High-Energy Astrophysics of Stars.
17.2.2000
- J. WHITMORE (Batavia/USA)
Physics Results from HERA.
- M. YURKOV (Dubna/RUS)
Results from SASE-FEL.
15.6.2000
- Festkolloquium „The Discovery of Quantum Mechanics“
- H. RECHENBERG (München/D)
Heisenberg's Discovery.
- H. KRAGH (Aarhus/DK)
From Schrödinger's Waves to Dirac's Electron.
- J. LACKI (Geneva/CH)
The Mathematical Foundations of Quantum Mechanics: Hilbert, Jordan and von Neumann.
15.6.2000
- B. FOSTER (Bristol/GB)
Particle Physics over the Next 20 Years – A Personal Perspective of the Scientific Questions and the Tools Required.
9.11.2000
- Festkolloquium aus Anlass des 60. Geburtstags von Prof. Dr. Gerhard Mack
- M. LÜSCHER (Hamburg/D)
Chiral Gauge Theories and Extra Dimensions.
- K. GAWEDSKI
Developed Turbulence, Non-Differentiable Dynamical Systems, and Spontaneous Breaking of Predictability.
- V. SCHOMERUS (Potsdam/D)
From Quantum Geometry to Gauge Theory.
10.11.2000
- M. TURNER (Chicago/USA)
The Dark Side of the Universe: Dark Matter and Dark Energy.
7.12.2000

DESY-EXPO

Vorträge

- W. OELERT (Jülich/D)
Antimaterie – Die gespiegelte Materie als Antrieb zur Grundlagenforschung.
8.6.2000

- J. BERGER (Köln/D)
Das Korpuskel lebt – Eindrucksvolle Experimente rund ums Licht!
15.6.2000
- J. ROSSBACH (Hamburg/D)
Licht der Zukunft – Neue Wege für Innovationen der Zukunft.
22.6.2000
- P. STREHLOW (Berlin/D)
Physik mit und von Luftballons – Experimente zur Veranschaulichung physikalischer Prinzipien.
13.7.2000
- D. SAMTLEBEN (Hamburg/D)
Elementarteilchen: Bausteine der Welt.
20.7.2000
- C. ROLFS (Bochum/D)
Die himmlische Energiequelle: Wie funktioniert die Sonne?
3.8.2000
- H. HILSCHER (Augsburg/D)
Physik zum Anfassen und manchmal unfassbar: Einfache Experimente für jedermann.
10.8.2000
- R. NAHNHAUER (Zeuthen/D)
Neutrinos – Geheimnisvolle Boten aus dem All.
17.8.2000
- M. ERDMANN (Karlsruhe/D)
Masse macht's, aber was macht Masse?
31.8.2000
- H.J. WILKE (Dresden/D)
Wie der Mensch den Weg zur Elektrizität fand.
7.9.2000
- C. SPIERING (Zeuthen/D)
Der wilde Tanz der Teilchen: Die Geschichte vom Anfang der Welt.
14.9.2000
- B. SPAAN (Dresden/D)
Symmetrie: Das Urprinzip der Schöpfung.
21.9.2000
- A. STAHL (Bonn/D)
Spieglein, Spieglein an der Wand ... Symmetrien in der Natur.
5.10.2000
- D. CEGIEL (NICO)
Physik, Technik und Ästhetik von Feuerwerken.
18.10.2000

Aktionstage

- Vakuum.
Nachstellung des Versuchs mit den Magdeburger Halbkugeln.
29.6.2000
- Reinraum und Materialprüfung.
27.7.2000

Strahlung und Wellen.
24.8.2000

Temperatur und Supraleitung.
28.9.2000

Bau & Vermessung.
26.10.2000

Vorträge – Innerbetriebliche Fortbildung

W. ZEUNER (DESY Hamburg/D)
Die Struktur des Protons.
12.1.2000

V. SAILE (Karlsruhe/D)
Mikrosystemtechnik – Forschung und Anwendung.
19.1.2000

W. SCHWARZ (Weimar/D)
Ein Streifzug durch die Geschichte der Erdmessung.
26.1.2000

G. RAPP (Hamburg/D)
Biologische Systeme im Lichte der Synchrotron-Strahlung.
2.2.2000

K. HÖPFNER (DESY Hamburg/D)
Die wundersame Umwandlung von Neutrinos.
9.2.2000

J. DICKE (DESY Hamburg/D)
Schweißen verbindet! – Füge-Techniken bei DESY.
16.2.2000

J. LEMMERICH (Berlin/D)
Beginn eines neuen Weltbildes.
23.2.2000

H. JELITTO (Hamburg/D)
Die Pyramiden von Gizeh.
1.3.2000

W. WEYRATHER (GSI Darmstadt/D)
Tumor-Therapie mit Ionenstrahlen.
8.3.2000

K. RÄDLER (Potsdam/D)
Magnetfelder und Dynamos im Kosmos.
15.3.2000

J. HOFFMANN (HWP Hamburg/D)
Chancen und Risiken der Globalisierung.
5.4.2000

G. BOHRMANN (Kiel/D)
Brennendes Eis – Methanhydrat am Meeresgrund.
12.4.2000

A. FECHNER (Hamburg/D)
Quantenmechanik – von Null auf Hundert.
19.4.2000

F. RIESS (Oldenburg/D)
Physik des Fahrrads.
3.5.2000

M. ECKERT (München/D)
Das Bohr-Sommerfeldsche Atommodell.
10.5.2000

J. SCHLÜTER (Hamburg/D)
Meteorite – außerirdische Materie.
17.5.2000

W. JANSEN (Oldenburg/D)
Die Batterie der Parther.
7.6.2000

V. AFANASIEW (MIR/RUS)
Erlebnisse und Erfahrungen eines russischen Kosmonauten.
5.7.2000

J. BECKER (Jülich/D)
Altersversorgung im öffentlichen Dienst.
20.9.2000

G. HOFFSTÄTTER (DESY Hamburg/D)
Chaos oder Stabilität im Sonnensystem?
4.10.2000

A. LINDNER (Hamburg/D)
Heisenbergs Prinzipien der Quantenphysik: Ist etwas unbestimmt?
18.10.2000

H. SCHMINCKE (Kiel/D)
Können Vulkaneruptionen das Klima beeinflussen?
1.11.2000

K.O. GÖTZ (Karlsruhe/D)
Design in der Natur – der Baum als Lehrmeister.
8.11.2000

F. ZETSCHE (Offenbach/D)
Bedeutung, Verfahren und Technik der Flugsicherung.
15.11.2000

J. BÖRDING (GMD St. Augustin/D)
Suchstrategien im Internet.
22.11.2000

R. BERNDT (Kiel/D)
Das Sandkorn und der Eiffelturm – Physik und Chemie mit dem Tunnelmikroskop.
6.12.2000

„Physikanten & Co“ (Dortmund/D)
Die Box, die Boje und der Ball.
13.12.2000

S. BRANDT (Siegen/D)
Sternstunden der Wissenschaft – Die Entdeckungen von Max Planck 1900 und Werner Heisenberg 1925.
20.12.2000

Vorträge – Direktorium

R. KLANNER

Neue Ergebnisse von HERA.
Kolloquiumsvortrag, Univ. Wuppertal/D (2000)

Future Perspectives for e-p-Physics.
ECFA Study Group on the Future of High Energy Physics in Europe, DESY Hamburg/D (2000)

J. SCHNEIDER

Forschung mit Synchrotronstrahlung: Vom Speicherring zum Freielektronen Laser. Vom Biomolekül zur Schweißnaht.
DESY Zeuthen/D (2000)

Freie-Elektronen Laser für Röntgenstrahlung bei DESY.
DPG Frühjahrstagung, Bonn/D (2000)

On the Way to LINAC Driven Free Electron X-Ray Lasers: Principles and Potential Applications.
LAL Seminar, Orsay/F (2000)

X-Ray Free-Electron Lasers: Principles, Existing Hardware and Scientific Potential.
Dept. of Biochem., Univ. Uppsala/S (2000)

Synchrotron Radiation Research at 3rd Generation Storage Ring Based Facilities and the Potential of LINAC Driven X-Ray Free Electron Lasers.
7th Europ. Part. Accel. Conf. (EPAC 2000), Wien/A (2000)

Ich sehe was was Du nicht siehst: Von Röntgens Röhre zum Röntgenlaser.
Jahr der Physik, „Stein der Weisen“, Bonn/D (2000)

Röntgenlaser: Der schnelle Blick auf die Atome.
HGF Jahrestagung, München/D (2000)

Der Röntgen-Laser: Ein Traum wird wahr.
BESSY Forum, Berlin/D (2000)

Hochenergetische Synchrotronstrahlung: Eine vielseitige Sonde zum Studium kondensierter Materie.
Der Freie-Elektronen Laser: Prinzip und Anwendungen.
Kolloquiumsvorträge, TU Dresden/D (2000)

D. TRINES

Physics and Industry in Germany.
Int. School on Physics and Industry: Workshop on Present Status and Future Trends, Erice/I (2000)

Experimental Results and Technical Research and Development at TTF.
7th Europ. Part. Accel. Conf. (EPAC 2000), Wien/A (2000)

Das TESLA Projekt.
Kolloquiumsvortrag, TU Darmstadt/D (2000)

H. VON DER SCHMITT

Moderne Methoden der Datenerfassung, -verwaltung und -auswertung.
Univ. Bonn/D (1999)

Management von Experimentdaten mit neuen Technologien.
DESY Zeuthen/D (2000)

Forschung mit Teilchenbeschleunigern. (Veröffentlichung)
Technik in Bayern (Magazin des VDI) Nov/Dez (2000)

A. WAGNER

TESLA – Electron Positron Linear Collider with Integrated X-Ray Lasers.

Univ. Kiel/D (2000)
Univ. Rostock/D (2000)
Univ. Tel Aviv/IL (2000)
Weizman Inst. Rehovot/IL (2000)
Technion Haifa/IL (2000)
Univ. Erlangen/D (2000)
Univ. Århus/DK (2000)
Univ. Prag/CZ (2000)
Bad Honnef/D (2000)

New Frontiers in Electron-Positron Collisions.
Bastei/D (2000)

Neugier: Grundlage der Innovation.
Industrieclub Düsseldorf/D (2000)
Handwerkskammer Hamburg/D (2000)

Supraleitung, TESLA-Röntgenlaser und Supersymmetrie.
GKSS Geesthacht/D (2000)

Report from DESY.
Plenarvortrag, ECFA Meeting, CERN Geneva/CH (2000)
30th Int. Conf. on High Energy Physics (ICHEP2000), Osaka/J
IHEP Beijing/VRC (2000)
Tsinghua Univ. Beijing/VRC (2000)
5th Int. Linear Collider Workshop (LCWS 2000), Batavia/USA
ECFA Meeting, DESY Hamburg/D (2000)

European Perspectives in Accelerator Development.
Univ. Tokyo/J (2000)

Towards New Frontiers in Structural Research.
Royal Society, London/GB (2000)

Neues Licht im Dunkel der Materie.
Ges. Deutscher Naturforscher und Ärzte, Bonn/D (2000)

New Light, Dark Matter.
Univ. Karlsruhe/D (2000)

Overview of DESYs Long Term Strategy.
Global Science Forum, DESY Hamburg/D (2000)

Das TESLA-Projekt.
BDI Berlin/D (2000)

F-Bereich

H1

Veröffentlichungen

H1 KOLLABORATION, C. ADLOFF et al.

Search for Compositeness, Leptoquarks and Large Extra Dimensions in eq Contact Interactions at HERA.
Phys. Lett. B479 (2000) 358 und DESY 00-027, hep-ex/0003002

Measurement of Di-Jet Cross-Sections in Photoproduction and Photon Structure.
Phys. Lett. B483 (2000) 36 und DESY 00-035, hep-ex/0003011

Elastic Photoproduction of J/ψ and Υ Mesons at HERA.
Phys. Lett. B483 (2000) 23 und DESY 00-037, hep-ex/0003020

Measurement of Elastic Electroproduction of ϕ Mesons at HERA.
Phys. Lett. B483 (2000) 360 und DESY 00-070, hep-ex/0005010

Inclusive Photoproduction of Neutral Pions in the Photon Hemisphere at HERA.
Eur. Phys. J. C18 (2000) 293 und DESY 00-085, hep-ex/0006017

A Search for Excited Fermions at HERA.
Eur. Phys. J. C17 (2000) 567 und DESY 00-102, hep-ex/0007035

Dijet Production in Charged and Neutral Current e^+p Interactions at High Q^2 .
DESY 00-143, hep-ex/0010016, zur Veröffentl. in Eur. Phys. J. C

Measurement of QCD Analysis of Jet Cross Sections in Deep-Inelastic Positron-Proton Collisions at \sqrt{s} of 300 GeV.
DESY 00-145, hep-ex/0010054, zur Veröffentl. in Eur. Phys. J. C

Diffractive Jet Production in Deep-Inelastic $e p$ Collisions at HERA.
DESY 00-174, hep-ex/0012051, zur Veröffentl. in Eur. Phys. J. C

Deep-Inelastic Inclusive $e p$ Scattering at Low x and a Measurement of α_s .
DESY 00-181, hep-ex/0012053, zur Veröffentl. in Eur. Phys. J. C

Measurement of Charged and Neutral Current Cross Sections in Electron-Proton Collisions at High Q^2 at HERA.
DESY 00-187, hep-ex/0012052, zur Veröffentl. in Eur. Phys. J. C

Veröffentlichte Vorträge

Proc. of the Int. Conf. on the Structure and Interactions of the Photon, Including the 13th Int. Workshop on Photon-Photon Collisions (PHOTON2000), Ambleside/GB (2000)

A. BUNIATIAN
Dijets with Forward Neutrons.

K. DAUM
Charm and Bottom Production at H1.

C. GOODWIN
Diffraction, $F_2^{D(3)}$.

B. LIST
Diffractive Dijet and 3-Jets Electroproduction at HERA.

H. MAHLKE
Photoproduction with Leading Protons.

P. MARAGE
Dijet in PHP and Photon Structure.

R. STAMEN
DVCS at HERA.

A. WYATT
Energy Flow Between Large Rapidity Gap Jets in Photoproduction.

Proc. of the 30th Int. Conf. on High Energy Physics (ICHEP2000), Osaka/J (2000)

B. ANDRIEU
Test Beam Results of the Quartz Fibre Calorimeter for the H1 Luminosity.

S. CARON
Measurements of 2-Jet and 3-Jet Cross Sections at High Transverse Momentum in Photoproduction.

E. DE WOLF
QCD Instanton Studies.

L. FAVART
Deeply Inelastic Compton Scattering at HERA.

J. GAYLER
Jet Production in DIS at HERA.

T. HADIG
QCD Interpretation of Inclusive Deep Inelastic Scattering and Jet Production Data at HERA.

F. KEIL
Dijets in CC and NC DIS at High Q^2 at HERA.

S. LEVONIAN
 F_2^p at Low Q^2 and the Total γp Cross Section at HERA.

H.U. MARTYN
Event Shape Studies at HERA.

A. MEHTA
W Production and Search for Top at HERA.

P. NEWMAN
Inclusive Diffraction at HERA.

C. NIEBUHR
Search for Contact Interactions and Leptoquarks at HERA.

G. RAEDEL
A Search for Leptoquark Bosons in e^-p Collisions at HERA.

P. SCHLEPER
Soft Interaction Process (Low Q^2 : Diffraction, Two-Photon and Spin Structure).

- F. SEFKOW
Open Charm and Beauty Production at HERA.
- E. TZAMARIUDAKI
Charm Contribution to the Proton Structure Function.
- F. ZOMER
Proton Structure at Medium Q^2 .
- Proc. of the 8th Int. Workshop on Deep Inelastic Scattering and QCD (DIS2000), Liverpool/GB (2000)**
- S. CARON
Three Jet Production in DIS and γ -p.
- M.C. COUSINOU
Searches for Excited Fermions at HERA.
- D. ECKSTEIN
Measurement of F_2 and F_L Structure Functions with H1.
- M. ERDMANN
Hadronic Structure Functions.
- L. FAVART
Proposal for a Very Forward Proton Spectrometer in H1 after 2000.
- T. HADIG
The Strong Coupling and the Gluon Density from Jets in DIS.
- D. HAIDT
 F_2 in the Transition Region from Small to Medium x .
- F. KEIL
Dijets in CC and NC DIS at High Q^2 at HERA.
- K. KRÜGER
Inelastic J/ψ Production at HERA.
- T. KUHR
Open Beauty Cross Section at HERA.
- T. KURCA
Scaling Violation Analysis of the H1 F_2 Data.
- N. MALDEN
W Production and High P_T Isolated Leptons at HERA.
- S. MAXFIELD
Current Issues in Low E_T Real and Virtual Photoproduction.
- S. MIKOCKI
Search for QCD Instanton-Induced Processes in DIS at HERA.
- D. MILSTEAD
Current Issues in Fragmentation in DIS.
- R. PÖSCHL
Dijet Rates in DIS.
- K. RABBERTZ
Event Shapes and Power Corrections in ep DIS.
- E. RIZVI
NC and CC DIS at High Q^2 .
- J. SCHEINS
Contact Interactions and Large Extra-Dimensions at HERA.
- F.P. SCHILLING
Diffractive Dijet and 3-Jet Electroproduction at HERA.
- D. SCHMIDT
Elastic and Proton-Dissociative Vector Meson Production at High Q^2 or Large $|t|$.
- T. SCHÖRNER
Single-Inclusive Jets in DIS at Low Q^2 at HERA.
- R. STAMEN
DVCS at HERA.
- A. VALKAROVA
Real and Virtual Photon Structure.
- A. WYATT
Energy Flow between Jets in γ -p Collisions at HERA.
- B. ANDRIEU
Hadronic Final States at HERA.
Proc. of the 15th High-Energy Physics Int. Euroconf. in Quantum Chromodynamics, Montpellier/F (2000)
- A. BABAEV
A Purity Monitoring System for the H1 Liquid Argon Calorimeter.
Proc. of the 9th Int. Conf. on Calorimetry in High Energy Physics (CALOR2000), Annecy/F (2000)
- O. BEHNKE
Heavy Flavours and QCD.
Proc. of the 35th Recontres de Moriond: QCD and Hadronic Interactions, Les Arcs/F (2000)
- T. BENISCH
New Data Storage Model for H1.
Proc. of the Int. Conf. on Computing in High Energy and Nucl. Phys. (CHEP2000), Padua/I (2000)
- U. BERTHON
New Data Analysis Environment in H1.
Proc. of the Int. Conf. on Computing in High Energy and Nucl. Phys. (CHEP2000), Padua/I (2000)
- D. BRUNCKO
Vector Meson Production in Photoproduction.
Proc. of the Int. Workshop on Production, Properties and Interaction of Mesons, Cracow/PL (2000) (Acta Phys. Pol. B31 (2000))
- B. COX
BFKL Searches.
Proc. of the 30th Int. Symposium on Multiparticle Dynamics (ISMD2000), Tihany/H (2000)
- C. DIACONU
Proton Structure at High Q^2 .
Proc. of the 35th Recontres de Moriond: QCD and Hadronic Interactions, Les Arcs/F (2000)
- D. ECKSTEIN
Proton Structure.
Proc. of 15th Int. Workshop on High Energy Physics and Quantum Field Theory (QFTHEP2000), Tver/RUS (2000)

V. EFREMENKO

Forward Neutron Calorimeter for H1 Experiment at DESY.
Proc. of the 9th Int. Conf. on Calorimetry in High Energy Physics (CALOR2000), Annecy/F (2000)

T. HADIG

e p Physics at High Q^2 .
28th SLAC Summer Inst. on Part. Phys.: Neutrinos from the Lab, the Sun, and the Cosmos (SSI2000), Stanford/USA (2000)

D. HAIDT

Phenomenology of the Structure Function F_2 in Lepton Proton Scattering.
Proc. of the 15th High-Energy Physics Int. Euroconf. in Quantum Chromodynamics, Montpellier/F (2000)

B. HEINEMANN

Recent Results from HERA: H1, ZEUS and HERMES.
Proc. of the 6th Workshop in High Energy Phenomenology (WHEPP-6), Chennai (Madras)/IND (2000)

C. ISSEVER

The Calibration of the H1 LAr Calorimeter.
Proc. of the 9th Int. Conf. on Calorimetry in High Energy Physics (CALOR2000), Annecy/F (2000)

H. JUNG

Photon Structure.
Proc. of the 35th Recontres de Moriond: QCD and Hadronic Interactions, Les Arcs/F (2000)

G. KNIES

HERA Results on Elastic Hadronic and Sub-Hadronic Diffraction.
Proc. of the 5th Workshop on QCD, Villefranche-sur-Mer/F (2000)

S. LEVONIAN

Pomeron under the HERA Microscope.
Proc. of the 30th Int. Symposium on Multiparticle Dynamics (ISMD2000), Tihany/H (2000)

S. LÜDERS

Compact Frontend-Electronics and Bidirectional 3.3 Gbps Optical Datalink for the H1-Experiment.
Proc. of the 6th Workshop on Electronics for LHC Experiments, Cracow/PL (2000)

Diffraction.

Proc. of the 30th Int. Symposium on Multiparticle Dynamics (ISMD2000), Tihany/H (2000)

P. MARAGE

Diffraction at HERA.
Proc. of „Forward Physics at the LHC“, Helsinki/FIN (2000)

A. MEYER

Heavy Quark Production at HERA.
Proc. of the 5th Workshop on Heavy Quarks at Fixed Target, Rio de Janeiro/BR (2000)

J. MEYER

Jets in DIS at HERA.
Proc. of the 35th Recontres de Moriond: QCD and Hadronic Interactions, Les Arcs/F (2000)

B. NAROSKA

Vector Meson Production at HERA.
Proc. of the 35th Recontres de Moriond: QCD and Hadronic Interactions, Les Arcs/F (2000)

J. NAUMANN

A Fast High Resolution Track Trigger for the H1 Experiment.
Proc. of the IEEE Nuclear Science Sympos., Lyon/F (2000)

G. RAEDEL

Searches for New Phenomena at HERA.
Proc. of the 35th Recontres de Moriond: Electroweak Interactions and Unified Theories, Les Arcs/F (2000)

D. REYNA

Structure Functions.
Proc. of the 15th High-Energy Physics Int. Euroconf. in Quantum Chromodynamics, Montpellier/F (2000)

A. SCHÖNING

A Fast Track Trigger for the H1 Collaboration.
Proc. of the 8th Pisa Meeting on Adv. Detectors, Isola d'Elba/I (2000) (Nucl. Instrum. Methods A)

H.C. SCHULTZ-COULON

Jet Studies at HERA.
Proc. of the 30th Int. Symposium on Multiparticle Dynamics (ISMD2000), Tihany/H (2000)

Y. SIROIS

Search for Physics beyond the Standard Model at Colliders: Discovery Prospects at Tevatron $p\bar{p}$ and HERA e p Colliders.
Proc. of the Discussion Meeting of the Royal Society on the Quark Structure of Matter, London/GB (2000)

T. SLOAN

Summary of the Workshop.
Proc. of the 2nd eRHIC Workshop, Yale Univ. New Haven/USA (2000)

The Spin Structure of the Nucleon.

Proc. of the Discussion Meeting of the Royal Society on the Quark Structure of Matter, London/GB (2000)

A. SPECKA

Test Beam Results of the Quartz Fibre Calorimeter for the H1 Luminosity Measurement at HERA.
Proc. of the 8th Pisa Meeting on Adv. Detectors, Isola d'Elba/I (2000) (Nucl. Instrum. Methods A)

G. TSIPOLITIS

Open Charm and Beauty.
Proc. of the 4th Int. Conf. on Hyperons, Charm and Beauty Hadrons, Valencia/E (2000)

J. TURNAU

Photon Structure.
Proc. of 15th Int. Workshop on High Energy Physics and Quantum Field Theory (QFTHEP2000), Tver/RUS (2000)

M. URBAN

First Level Trigger for H1, Using the Latest FPGA Generation.
Proc. of the 6th Workshop on Electronics for LHC Experiments, Cracow/PL (2000)

P. VAN MECHELEN

Inclusive Diffraction at HERA.

Proc. of the Int. Conf. on Hadron Structure, Stara Lesna/SQ (2000)

Final States in Diffraction at HERA.

Proc. of the Crimean Summer School-Seminar on New Trends in High-Energy Physics, Yalta/UA (2000)

New Data Analysis Environment in H1.

Proc. of the Int. Conf. on Computing in High Energy and Nucl. Phys. (CHEP2000), Padua/I (2000)

D. WEGENER

The Parton Structure of Protons and Photons Measured at the ep Storage Ring HERA.

Proc. of the Int. Conf. on Quark Nuclear Physics (QNP2000), Adelaide/AUS (2000)

M. ZUR NEDDEN

High Q^2 and High P_T Processes at HERA.

Proc. of the Int. Conf. on Hadron Structure, Stara Lesna/SQ (2000)

Vorträge

DPG Frühjahrstagung Teilchenphysik, Dresden/D (2000)

S. CARON

Jets mit hohen Transversalimpulsen bei HERA.

C. DUPREL

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

D. ECKSTEIN

Präzisionsmessung des tief-inelastischen ep Wirkungsquerschnittes mit dem H1-Detektor bei HERA.

F. GARCZAREK

Ansprechverhalten des rückwärtigen H1-Kalorimeters (SpaCal) gegenüber Hadronen.

T. HAUSCHILDT

Diffraaktive J/ψ -Photoproduktion am H1-Experiment bei $W_{\gamma p} = 30$ GeV.

M. HENNECKE

Untersuchung der Weitwinkelbremsstrahlung im H1-Detektor.

L. JANAUSCHEK

Untersuchung elastisch produzierter J/ψ -Mesonen in Photoproduktion bis zu höchsten γ -p-Schwerpunktenergien am H1-Experiment bei HERA.

O. KARSCHNICK

Nachweis diffraktiv gestreuter Protonen mit dem Vorwärtsspektrometer bei H1.

J. KROSEBERG

Messung von Beauty-Produktion bei HERA mit dem H1-Vertexdetektor.

B. LEISSNER

Muon-Paare.

B. REISERT

Inclusive Neutral Current Cross Section Measurements at High Q^2 .

J. SCHEINS

Kontakt-Wechselwirkungsanalyse.

F.P. SCHILLING

Diffraaktive Dijet Electroproduction at HERA.

T. SCHÖRNER

Inklusive Jet-Wirkungsquerschnitte und Forward Jets bei HERA.

H.C. SCHULTZ-COULON

Untersuchung der Partondynamik am e-p-Speicherring HERA.

R. STAMEN

Messung des DVCS-Prozesses mit dem H1-Detektor bei HERA.

L. TSURIN

Development of a Silicon Pad Detector Trigger for H1.

R. WALLNY

Test der Quantenchromodynamik in inklusiver e-p-Streuung mit dem H1-Detektor.

N. WERNER

Nachweis von schweren Quarks durch Messung von D^* -Myon-Koinzidenzen am H1-Detektor.

A. ZIEGLER

Untersuchung der Erzeugung schwerer Quarks in e-p-Wechselwirkungen mittels semielektronischer Zerfälle.

V. BLOBEL

Regularized Unfolding.

LEP WG on Two-Photon-Physics, CERN Geneva/CH (2000)

G. BUSCHHORN

Instantons.

Crimean Summer School-Seminar on New Trends in High-Energy Physics, Yalta/UA (2000)

B. CLERBAUX

Diffraaktive Physics at HERA.

14th Rencontre de Physique de la Vallée d'Aoste, La Thuile/I (2000)

G. COZZIKA

High Q^2 Results from HERA.

20th Int. Conf. on Physics in Collision (PIC2000), Lisbon/P (2000)

J. DAINTON

Photon Structure.

Discussion Meeting of the Royal Society on the Quark Structure of Matter, London/GB (2000)

Experimental Quantum Chromodiffraction.

Int. Workshop on Diffraction in High Energy Physics, Cetraro/I (2000)

E. ELSSEN

Experimental Programme at DESY

RECFA Meeting in Germany, Berlin/D (2000)

W. ERDMANN

Physics at HERA.
Symposium on Phenomenology for the ν Century (PHENO2000),
Madison/USA (2000)

R. FELST

QCD and Jets in e^+e^- -Annihilation and $e p$ -Scattering.
HEP Groups Meeting, Univ. of Edinburgh/GB (2000)

T. HADIG

Lepton-Proton Physics at High Q^2 .
28th SLAC Summer Inst. on Part. Phys.: Neutrinos from the Lab,
the Sun, and the Cosmos (SSI2000), Stanford/USA (2000)

B. HEINEMANN

Elektron-Proton-Streuung bei den höchsten Energien.
Kolloquiumsvortrag, Univ. Hamburg/D (2000)

M. KLEIN

Deep Inelastic Scattering at Large x .
Workshop on the Nucleon Structure in High x -Bjorken Region,
Philadelphia/USA (2000)

S. LEVONIAN

Structure Functions at Low x and Low Q^2 from HERA.
Diffractive Physics at HERA.
7th Conf. on Intersections between Particle and Nuclear Physics
(CIPANP2000), Quebec/CAN (2000)

E. LOBODZINSKA

DVCS – H1 Measurement.
Int. Workshop on Skewed Parton Distributions and Lepton-Nucleon
Scattering, DESY Hamburg/D (2000)

P. MARAGE

Inclusive Diffraction at HERA.
Workshop on Low- x Physics, Oxford/GB (2000)

J. NAUMANN

The FTT at Level 3.
Ringberg Workshop on Future Triggering at H1, Ringberg Castle,
Tegernsee/D (2000)
Workshop on FTT Specification, Dortmund/D (2000)

J. PHILLIPS

Low Q^2 Physics and the Transition Region of pQCD.
Lake Louise Winter Inst., Lake Louise/CAN (2000)

B. REISERT

DIS at Large Momentum Transfer at HERA.
Lake Louise Winter Inst., Lake Louise/CAN (2000)

DVCS.

Int. Workshop on Diffraction in High Energy Physics, Cetraro/I
(2000)

A. ROSTOVTSEV

Elastic Diffractive J/ψ and Υ Production at HERA.
5th Int. Workshop on Heavy Quark Physics, Dubna/RUS (2000)

H.C. SCHULTZ-COULON

The H1 Trigger Concept, L3 General Concept.
Ringberg Workshop on Future Triggering at H1, Ringberg Castle,
Tegernsee/D (2000)

T. SLOAN

ELFE: A Critical Review.
Joint Meeting HaPHEEP/ESOP/ELFE, Valencia/E (2000)

How to Get Energy from an Accelerator.

Meeting on Accelerators and their Appl., Univ. Liverpool/GB
(2000)

R. STAMEN

Vector Particle Production.
Workshop on Low- x Physics, Oxford/GB (2000)

L2TT – Present and Future.

Ringberg Workshop on Future Triggering at H1, Ringberg Castle,
Tegernsee/D (2000)

B. STELLA

Diffusione profondamente inelastica elettrone-protone ad alto Q^2
con l'esperimento H1.
Annual Conf. of the Italian Phys. Soc., Palermo/I (2000)

L'esplorazione del protone fino ad un millesimo del suo raggio.

Risultati recenti di H1.
Univ. Rom 3/I (2000)

P. THOMPSON

Diffractive Open Charm Production.
Int. Workshop on Diffraction in High Energy Physics, Cetraro/I
(2000)

G. TSIPOLITIS

Heavy Flavour Production at HERA.
Univ. of Geneva/CH (2000)
Univ. of Valencia/E (2000)

J. TURNAU

Photon Structure.
15th Int. Workshop on High Energy Physics and Quantum Field
Theory (QFTHEP2000), Tver/RUS (2000)

P. VAN MECHELEN

Jets and Charm Production in Diffraction.
Workshop on Low- x Physics, Oxford/GB (2000)

D. WEGENER

Kalorimetrie.
Kolloquiumsvortrag, Karlsruhe/D (2000)

New HERA Results and Parton Dynamics of Proton and Photon.

Kolloquiumsvortrag, Jülich/D (2000)

C. WISSING

The FTT at Level 2.
Ringberg Workshop on Future Triggering at H1, Ringberg Castle,
Tegernsee/D (2000)

Track Fit & L2 Decision on TI DSPs.

Workshop on FTT Specification, Dortmund/D (2000)

M. ZUR NEDDEN

What Happens after L1-Keep?
Ringberg Workshop on Future Triggering at H1, Ringberg Castle,
Tegernsee/D (2000)

Habilitationen

M. WEBER

Test of Quantum Chromodynamics with the Hadronic Final State in Deep Inelastic Scattering at HERA.

Univ. Heidelberg/D (2000)

Z. ZHANG

New Insights into the Proton Structure with e p Collider HERA. LAL Orsay, Univ. de Paris-Sud, Paris/F (2000)

Dissertationen

P. BATE

High Transverse Momentum 2-Jet and 3-Jet Cross Section Measurements in Photoproduction.

Univ. Manchester/GB (2000)

C. BEIER

Das Z^0 -Boson und die Strukturfunktion $x F_3$ in tiefinelastischer e p-Streuung.

Univ. Heidelberg/D (2000)

A. BURRAGE

A Study of Radiative Charged Current Interactions in e p Collision.

Univ. Liverpool/GB (2000)

T. HADIG

Measurement and Perturbative QCD Fit of Dijet and Inclusive Cross Sections.

RWTH Aachen/D (2000)

S. HENGSTMANN

A Measurement of Diffractive Charm Production at HERA.

Univ. Zürich/CH (2000)

D. HOFFMANN

Zwei-Elektron-Ereignisse im H1-Detektor.

Univ. Hamburg/D (2000)

S. HURLING

Der VLQ-Detektor bei H1: Inbetriebnahme, Spurrekonstruktion und Messung der elastisch diffraktiven J/ψ -Produktion bei kleinem Q^2 .

Univ. Hamburg/D (2000)

H.C. KÄSTLI

Muon Pair Production with High Invariant Mass in e^+p -Collisions at HERA.

ETH Zürich/CH (2000)

H. MAHLKE

Photoproduktion bei HERA unter Nachweis eines vorwärts gestreuten Protons.

DESY Hamburg/D (2000)

A. MESECK

The Electron Distribution in HERA and the Consequences for the H1 Detector after the Luminosity Upgrade.

Univ. Hamburg/D (2000)

P.O. MEYER

Messung der Strukturfunktion F_2 bei kleinen Impulsüberträgen mit dem VLQ-Spektrometer des H1-Detektors.

RWTH Aachen/D (2000)

R. MOHR

Messung von 3-Jet-Ereignissen in tiefinelastischer e p-Streuung mit dem H1-Detektor bei HERA.

Univ. Hamburg/D (2000)

S. MOHRDIECK

Inelastische J/ψ -Erzeugung in Elektroproduktion am H1-Experiment bei HERA.

Univ. Hamburg/D (2000)

R. PÖSCHL

Measurement of the Double Differential Dijet Rate in Deep Inelastic Scattering at HERA.

Univ. Dortmund/D (2000)

F.P. SCHILLING

Diffractive Jet Production in Deep-Inelastic e^-p Collisions at HERA.

Univ. Heidelberg/D (2000)

M. SWART

Mass Spectroscopy of Neutral Mesons in the Photon Hemisphere at HERA.

Univ. Heidelberg/D (2000)

S. UDLUFT

Protodissoziative Photoproduktion von ϕ -Mesonen am H1-Experiment bei HERA.

Univ. München/D (2000)

G.R. WHITE

Tests of Perturbative and Non-Perturbative QCD from Identified Proton, Kaon and Pion Studies in Deep Inelastic Scattering e p Interactions at HERA.

Univ. Lancaster/GB (2000)

Diplomarbeiten

J. DINGFELDER

Suche nach neuen Signaturen in der e-p-Streuung bei HERA.

Univ. Heidelberg/D (2000)

F. GARCZAREK

Nachweis von Positronen und Hadronen im H1-Spaghetti-Kalorimeter.

Univ. Dortmund/D (2000)

C. GERLICH

Suche nach Substrukturen des Quarks bei HERA.

Univ. Heidelberg/D (2000)

S. GOLTZ

Optimierung der Datenselektion zur Identifikation und Rekonstruktion von ψ' -Vektormesonen bei H1.

Univ. Hamburg/D (2000)

T. KLUGE

Untersuchung des QED-Bremsstrahlungsprozesses bei kleinen Impulsüberträgen mit dem H1-Detektor bei HERA.
RWTH Aachen/D (2000)

S. SCHÄTZEL

Measurement of Dijet Cross Sections in Diffractive Photoproduction at HERA.
Univ. Heidelberg/D (2000)

S. SCHILLING

Implementation of BGF-Processes in Monte Carlo Generators for Electron-Proton Scattering.
Univ. Heidelberg/D (2000)

S. SCHMIDT

Untersuchungen zur Verbesserung des neuronalen Triggers beim H1-Experiment durch Datenaufbereitung mit Hilfe topologischer Korrelationen.
TU München/D (2000)

J. SCHÜMMANN

Inelastic J/ψ -Photoproduction at HERA and the Color Evaporation Model.
Univ. Hamburg/D (2000)

J. WAGNER

Bestimmung von $e p$ -Wirkungsquerschnitten für Charm- und Beauty-Produktion durch D^* -Myon-Koinzidenzen.
Univ. Hamburg/D (2000)

A. ZIEGLER

Untersuchung der Identifikation von semielektronischen Zerfällen schwerer Quarks in der $e p$ -Wechselwirkung.
Univ. Hamburg/D (2000)

ZEUS

Veröffentlichungen

ZEUS KOLLABORATION, J. BREITWEG et al.

The Q^2 Dependence of Dijet Cross Sections in γp Interactions at HERA.
Phys. Lett. B479 (2000) 37 und DESY 00-017

Search for Resonances Decaying to e^+ -jet in e^+p Interactions at HERA.
Eur. Phys. J. C16 (2000) 253 und DESY 00-023

Measurement of Azimuthal Asymmetries in Deep Inelastic Scattering.
Phys. Lett. B481 (2000) 199 und DESY 00-040

Measurement of Inclusive D_s^\pm Photoproduction at HERA.
Phys. Lett. B481 (2000) 213 und DESY 00-041

Measurement of the Proton Structure Function F_2 at Very Low Q^2 at HERA.
Phys. Lett. B487 (2000) 53 und DESY 00-071

Measurement of Exclusive ω Electroproduction at HERA.
Phys. Lett. B487 (2000) 273 und DESY 00-084

A Search for Resonance Decays to $\bar{\nu}$ -jet in e^+p Scattering at HERA.
Phys. Rev. D63 (2001) 52002 und DESY 00-133

Measurement of Dijet Cross Sections for Events with a Leading Neutron in Photoproduction at HERA.
DESY 00-142, zur Veröffentl. in Nucl. Phys. B

Measurement of Open Beauty Production in Photoproduction at HERA.
Eur. Phys. J. C18 (2001) 625 und DESY 00-166

A. BAMBERGER et al.

The ZEUS Forward Plug Calorimeter with Lead-Scintillator Plates and WLS Fiber Readout.
Nucl. Instrum. Methods A450 (2000) 235

S.V. CHEKANOV

Soft-Gluon Angular Screening in Heavy-Quark Fragmentation.
Phys. Lett. B484 (2000) 51

R. FRÜHWIRTH, M. REGLER, R.K. BOCK, H. GROTE, D. NOTZ

Data Analysis Techniques for High-Energy Physics.
Cambridge Univ. Press/GB (2000) (Cambridge Monographs on Particle Physics, Nuclear Physics and Cosmology; 11)

A. GARFAGNINI, U. KÖTZ

The Assembly of the Silicon Modules for the ZEUS Micro Vertex Detector.
Zur Veröffentl. in Nucl. Instrum. Methods A

U. KÖTZ

Test of Silicon Strip Detectors for the ZEUS Microvertex Detector.
Zur Veröffentl. in Nucl. Instrum. Methods A

G. WOLF

The Glorious Days of Physics – A Tribute to Bjørn H. Wiik and his Physics.
DESY 00-022

Veröffentlichte Vorträge

Proc. of the 8th Int. Workshop on Deep Inelastic Scattering and QCD (DIS2000), Liverpool/GB (2000)

N. BROOK

Azimuthal Asymmetries in DIS.

A. BRUNI

Elastic J/ψ Photoproduction.

M. CAPUA

New Results on F_2^D from ZEUS.

D. CHAPIN

Dijet Cross Sections from Low to Highest Q^2 .

- J. COLE
Diffractive $D^{*\pm}$ (2010) Production in DIS at HERA.
- A. FOX-MURPHY
Searches for Leptoquarks and R-Parity Violating SUSY at HERA.
- C. GINSBURG
A Measurement of the Total Photon-Proton Cross Section.
- L. GLADILIN
 D^* and D_s Production at HERA and Comparison to NLO.
- E. HEAPHY
Recent Results in High E_T Photoproduction.
- A. KAPPES
NC/CC Deep Inelastic ep-Scattering at High Q^2 with ZEUS at HERA.
hep-ex/0006024
- R. KERGER
Lepton Flavor Violation at HERA.
BONN-HE-2000-01, hep-ex/0006023
- M. KUZE
Physics at Highest P_t^2 and Q^2 .
- S.W. LEE
Prompt Photons in Photoproduction at HERA.
- A. LEVY
HERA's Legacy – The First Decade.
DESY 00-116
- K. LONG
Future High Q^2 Deep Inelastic Scattering at HERA.
- M. MARTINEZ
Observation of 3-Jet Production in Diffractive DIS.
- S. PAGANIS
High-x PDF and Parametric Assumptions.
- J. REPOND
High P_T Jets in Photoproduction at HERA.
- W. SCHMIDKE
Leading Baryon Production in ep Scattering at HERA.
- J. SCOTT
Structure Functions at Low x and Q^2 at ZEUS.
- N. TUNING
Proton Structure Functions F_2 and xF_3 at ZEUS.
- M. WING
High E_T Photoproduction and the Photon Structure.
hep-ex/0007011
- U. WOLLMER
Event Shapes and Power Corrections in DIS.
- Y. YAMAZAKI
QCD Tests in Lepton-Proton Collisions.
- R. YOSHIDA
Physics at the Highest Q^2 and p_T^2 .
- A. ZARNECKI
Leptoquarks and CI from Global Analysis.
- Proc. of the Int. Conf. on the Structure and Interactions of the Photon, Including the 13th Int. Workshop on Photon-Photon Collisions (PHOTON2000), Ambleside/GB (2000)**
- T. ABE
Electroproduction of Charmonium.
- C. GLASMAN
Jet Substructure.
Virtual Photon Structure.
- D. HOCHMANN
Recent Results on Charm Production at ZEUS.
hep-ex/0010050
- S. KANANOV
Electroproduction of ρ Mesons at HERA.
- K. KLIMEK
Vector Mesons at High t.
- A. SAVIN
Photoproduction of J/ψ .
- J. TERRON
Dijet Production in Photoproduction.
Prompt Photon Production at HERA.
- Proc. of the 30th Int. Conf. on High Energy Physics (ICHEP2000), Osaka/J (2000)**
- A. BERTOLIN
Production of Charmonia and Upsilon Mesons at HERA.
- N. BROOK
Multiplicity Studies at HERA.
- J. BUTTERWORTH
Dijet Photoproduction.
- E. DE WOLF
QCD Instanton Studies.
- S. MAGILL
Prompt Photon Production at Colliders (HERA and the Tevatron).
- M. MARTINEZ
Final States in Diffractive DIS at HERA.
- B. MELLADO
Photo- and Electroproduction of Vector Mesons at HERA (Including Large t).
- K. NAGANO
Proton Structure at High Q^2 .
- R. NANIA
Hard Interaction Processes (High Q^2 : DIS, Jets).
- A. PELLEGRINO
Low-x F_2^p and F_L and Phenomenological Studies.

A. SABETFAKHRI
Excited Fermions at HERA.

L. STANCO
Search for Squark Production in R Parity-Violating SUSY at HERA.

E. TASSI
QCD Analysis of Multijets.

T. WILDSCHKE
Leading n and p Production at HERA.

H. ABRAMOWICZ
Diffraction at HERA.
Proc. of the Int. Workshop on Diffraction in High Energy Physics, Cetraro/I (2000)

L. ADAMCZYK
Results on Vector Mesons at HERA.
Proc. of the Int. Workshop on Diffraction in High Energy Physics, Cetraro/I (2000)

S. BHADRA
Structure Functions and Diffraction at HERA.
Proc. of the 4th Rencontres du Vietnam, Int. Conf. on Physics at Extreme Energies, Hanoi/VN (2000)

B. BODMANN, U. HOLM
Neutron Irradiated Plastic Scintillators.
Proc. of the 4th Int. Sympos. on Ionizing Radiation and Polymers (IRaP2000), Gouvieux-Chantilly/F (2000)

N. BRÜMMER
Searches for SUSY at HERA.
Proc. of 15th Int. Workshop on High Energy Physics and Quantum Field Theory (QFTHEP2000), Tver/RUS (2000)

P. BUSSEY
Inclusive Prompt Photon Production and DVCS at HERA.
Proc. of the 35th Rencontres de Moriond: QCD and Hadronic Interactions, Les Arcs/F (2000)

M. CAPUA
 F_2^D at Small Q^2 .
Proc. of the Int. Workshop on Diffraction in High Energy Physics, Cetraro/I (2000)

N. CARTIGLIA
Diffraction at HERA and the TEVATRON.
Proc. of the 20th Int. Conf. on Physics in Collision (PIC2000), Lisbon/P (2000)

S.V. CHEKANOV, S. MAGILL
Jet Energy Corrections with the ZEUS Barrel Preshower Detector.
Proc. of the 9th Int. Conf. on Calorimetry in High Energy Physics (CALOR2000), Annecy/F (2000)

M. COOPER-SARKAR
Low-x Physics at HERA.
Proc. of the 30th Int. Symposium on Multiparticle Dynamics (ISMD2000), Tihany/H (2000)
Low-x Workshop, Oxford/GB (2000)

N. COPPOLA
Heavy Quark Physics.
Proc. of the 5th Int. Workshop on Heavy Quark Physics, Dubna/RUS (2000)

C. CORMACK
Structure Functions at Very High Q^2 from HERA.
Proc. of the 7th Conf. on Intersections between Part. and Nucl. Physics (CIPANP2000), Quebec/CAN (2000)

J.A. CRITTENDEN
Measurements of Diffractive Vector-Meson Photoproduction at High Momentum Transfer from the ZEUS Experiment at HERA.
Proc. of the Meeting of the APS Division of Particles and Fields, Columbus/USA (2000)

R. CROSS
A Measurement of the Total Photon-Proton Cross Section at HERA.
Proc. of the Meeting of the APS Division of Particles and Fields, Columbus/USA (2000)

Low Q^2 Structure Functions at HERA.
Proc. of the Int. Conf. on Hadron Structure, Stara Lesna/SQ (2000)

T. DOYLE
Structure Functions at High Q^2 .
Proc. of the 7th Conf. on Intersections between Part. and Nucl. Physics (CIPANP2000), Quebec/CAN (2000)

J. ENGELEN
QCD at HERA.
Proc. of the 28th SLAC Summer Inst. on Part. Phys.: Neutrinos from the Lab, the Sun, and the Cosmos (SSI2000), Stanford/USA (2000)

C. FOUDAS
Photon Structure.
Proc. of the Int. Conf. on Hadron Structure, Stara Lesna/SQ (2000)

A. FOX-MURPHY
An OO Tag Database for Physics Analysis at HERA.
Proc. of the Int. Conf. on Computing in High Energy and Nucl. Phys. (CHEP2000), Padua/I (2000)

R. GALEA
Searches beyond the Standard Model at HERA.
Proc. of the Lake Louise Winter Inst., Lake Louise/CAN (2000)

C. GINSBURG
DIS Results from HERA.
Proc. of the 5th Workshop on QCD, Villefranche-sur-Mer/F (2000)

R. GRACIANI
A New W/Scintillator Electromagnetic Calorimeter for ZEUS.
Proc. of the 9th Int. Conf. on Calorimetry in High Energy Physics (CALOR2000), Annecy/F (2000)

Perturbative QCD at HERA.
Proc. of the Lake Louise Winter Inst., Lake Louise/CAN (2000)

G. IACOBUCCI
Structure Function Measurements at HERA.
Proc. of the 14th Rencontres de Physique de la Vallée d'Aoste, La Thuile/I (2000)

M. INUZUKA

Diffractional Physics at HERA.

Proc. of the 15th High-Energy Physics Int. Euroconf. in Quantum Chromodynamics, Montpellier/F (2000)

M. KOWAL, K. WRONA, T. HAAS, R. MANKEL

A Linux PC Farm for Physics Analysis in the ZEUS Experiment.

Proc. of the Int. Conf. on Computing in High Energy and Nucl. Phys. (CHEP2000), Padua/I (2000)

B.B. LEVCHENKO

The Instanton Search at HERA.

Proc. of 15th Int. Workshop on High Energy Physics and Quantum Field Theory (QFTHEP2000), Tver/RUS (2000)

M. MARTINEZ

Diffraction at HERA.

Proc. of the 38th Course of the Int. School of Subnuclear Physics, Erice/I (2000)

G. MCCANCE

Event Shapes and Power Correction Results from HERA.

Proc. of the 35th Recontres de Moriond: QCD and Hadronic Interactions, Les Arcs/F (2000)

D. NOTZ

Bericht über die RT'99 Konferenz in Santa Fe.

Frühjahrstagung der Studiengruppe Elektron. Instrum., Universität Heidelberg/D (2000), FZR-293

Der geplante Linearbeschleuniger TESLA bei DESY.

Herbsttagung der Studiengruppe Elektron. Instrum., HMI Berlin/D (2000), FZR-305

A. POLINI

J/ψ and Upsilon.

Proc. of the 4th Int. Conf. on Hyperons, Charm and Beauty Hadrons, Valencia/E (2000)

A. PROSKURYAKOV

Diffraction at HERA.

Proc. of 15th Int. Workshop on High Energy Physics and Quantum Field Theory (QFTHEP2000), Tver/RUS (2000)

O. RUSKE

The Soft \rightarrow pQCD Interface Region at HERA.

Proc. of the 35th Recontres de Moriond: QCD and Hadronic Interactions, Les Arcs/F (2000)

S. SCHLENSTEDT

Precision Measurements at HERA.

Proc. of the 5th Zeuthen Workshop on Elementary Particle Theory, Loops and Legs in Quantum Field Theory, Bastei/D (2000) (Nucl. Phys. B, Proc. Suppl. 89 (2000))

L. SHCHEGLOVA

Final State Studies at HERA.

Proc. of the 30th Int. Symposium on Multiparticle Dynamics (ISMD2000), Tihany/H (2000)

A. SOLANO

Studies of Diffraction at HERA.

Proc. of the 35th Recontres de Moriond: QCD and Hadronic Interactions, Les Arcs/F (2000)

M. SUTTON

High P_t Jets.

Proc. of the 15th High-Energy Physics Int. Euroconf. in Quantum Chromodynamics, Montpellier/F (2000)

A. TAPPER

Hadronic Final State in Deep Inelastic Scattering at HERA.

Proc. of the 4th Rencontres du Vietnam, Int. Conf. on Physics at Extreme Energies, Hanoi/VN (2000)

R. WICHMANN

Topology of the Hadronic Final State in Diffractional DIS, Including Jet Production.

Proc. of the Int. Workshop on Diffraction in High Energy Physics, Cetraro/I (2000)

K. WICK, T. ZOUFAL

Unexpected Behaviour of Polystyrene Based Scintillators during Irradiation at Low Doses and Low Dose Rates.

Proc. of the 4th Int. Sympos. on Ionizing Radiation and Polymers (IRaP2000), Gouvieux-Chantilly/F (2000)

M. WING

Precise Measurement of Jet Energies with the ZEUS Detector.

Proc. of the 9th Int. Conf. on Calorimetry in High Energy Physics (CALOR2000), Annecy/F (2000) und hep-ex/0011046

G. WOLF

Deep Inelastic Scattering at Large Energy and Momentum Transfers: Recent Results from HERA.

Proc. of the 9th Mexican School on Particles and Fields, Metepec, Puebla/MEX (2000)

Experimental Highlights from the HERA Collider.

Proc. of the Int. School of Subnuclear Physics, Erice/I (2000)

Vorträge

DPG Frühjahrstagung Teilchenphysik, Dresden/D (2000)

A. BENEN

Messung des hadronischen Energieflusses mit dem ZEUS-Detektor.

I. BOHNET

Untersuchung von Alterungseffekten an den optischen Komponenten des ZEUS-Kalorimeters.

G. GARCÍA LÓPEZ

Observation of Three Jets in Diffractional DIS with the ZEUS Detector.

N. GENDNER

Untersuchungen an einem kompakten elektromagnetischen PbWO₄-Kalorimeter.

H. RAACH

Inklusive Jet-Wirkungsquerschnitte in tiefinelastischer Elektron-Proton-Streuung im Breit-System.

W. ZEUNER

ep-Physik bei höchsten Energien und Suche nach neuen Phänomenen.

H. ABRAMOWICZ
Diffraction and the Pomeron.
Univ. Tel Aviv/IL (2000)

I. BROCK
Tracks in Sand and Straw – ZEUS 2000.
Univ. Bonn/D (2000)

Equipping ZEUS for the New Millennium – The ZEUS Straw-Tube Tracker.
Univ. Freiburg/D (1999)

N. BROOK
QCD at HERA.
Annual Conf. of the IOP High Energy Particle Physics Group, Edinburgh/GB (2000)

P. BUSSEY
Charmonium Production at HERA.
Open Heavy Flavour Production at HERA.
UK Phenomenology Workshop on Heavy Flavour and CP Violation, Durham/GB (2000)

C. CRITTENDEN
Streuexperimente zur Erforschung der Struktur der Materie: Bilanz und Perspektiven.
Univ. Karlsruhe/D (2000)

M. DERRICK
Proton Structure Studied with ZEUS at HERA.
Inst. für Hochenergiephysik, Wien/A

J. FIGIEL
Photoproduction of Vector Mesons at High t .
Cracow/PL (2000)

B. FOSTER
Low x Physics.
Royal Society of London/GB (2000)

To See a World in a Grain of Sand.
Annual Meeting of the Alexander von Humboldt Stiftung, Bamberg/D (2000)

Recent Results from ZEUS.
Ohio State Univ., Columbus/USA (2000)
Yale Univ., New Haven/USA (2000)
Univ. of California, Santa Cruz/USA (2000)

K. KLIMEK
Vector Mesons in Photoproduction.
Inst. of Nucl. Phys., Cracow/PL (2000)

A. KREISEL
Electroproduction of ρ Mesons at HERA.
Univ. Tel Aviv/IL (2000)

A. KOWAL
Results of High t Vector Meson Photoproduction at ZEUS Experiment.
Inst. of Nucl. Phys., Cracow/PL (2000)

M. KUZE
Search for Physics beyond the Standard Model at HERA.
Univ. Freiburg/D (2000)

B.B. LEVCHENKO
Status of the Instanton Search at HERA.
Int. Sympos. on Evolution Equations and Large Order Estimates in QCD, Gatchina/RUS (2000)

A. LEVY
The Legacy of HERA – The First Decade.
Univ. Dortmund/D (2000)
Israeli Physical Society, Haifa/IL (2000)

The Interplay of Soft and Hard Interactions.
Univ. Dortmund/D (2000)

M. MARTINEZ
Diffraction at HERA.
SLAC Stanford/USA (2000)

J. REPOND
Collider Detectors at HERA/DESY.
2nd eRHIC Workshop, Yale Univ. New Haven/USA (2000)

P. SAULL
Deep Inelastic Virtual Compton Scattering at HERA.
Univ. Tel Aviv/IL (2000)

S. SCHLENSTEDT
Selected Results on the Photon and Proton Structure from the ZEUS Experiment.
Univ. Warsaw/PL (1999)

Lepton-Parton Physics at Large Momentum.
Aspen Winter Conf. on Particle Physics, Aspen/USA (2000)

Physics at Large Momentum Transfer at HERA.
Paul Scherrer Institut, Villigen/CH (2000)

Measurement of the Proton and Photon Structure at HERA.
Univ. of Arizona, Tuscon/USA (2000)
Penn State Univ., University Park/USA (2000)

B. STRAUB
SUSY Searches at HERA.
8th Int. Conf. on Supersymmetries in Physics (SUSY2000), Geneva/CH (2000)

R. WALCZAK
Recent Results from HERA.
16th Nordic Meeting in Particle Physics, Oslo/N (2000)

G. WOLF
From Ideas to Reality.
LEP Fest, CERN Geneva/CH (2000)

Dissertationen

C. AMELUNG
Measurement of the Proton Structure Function F_2 at Very Low Q^2 at HERA.
Univ. Bonn/D (1999)
DESY-THESIS-2000-002, BONN-IR-99-14

O. BARRET

Diffractive D^* Production in Deep Inelastic ep Scattering at HERA.
Univ. of Bristol/GB (2000)

K. COBÖEKEN

Analyse der Reaktion $\gamma p \rightarrow J/\psi p$, $J/\psi \rightarrow \mu^+ \mu^-$ mit Hilfe der planaren Driftkammern des ZEUS-Detektors.

Univ. Bonn/D (2000)

BONN-IR-2000-08

N. COPPOLA

The Study of Open Beauty in Photoproduction at HERA.

Univ. degli Studi di Bologna/I (2000)

DESY-THESIS-2000-034

O. DEPPE

Measurement of $D^{*\pm}$ Electroproduction at HERA.

Univ. Hamburg/D (1999)

DESY-THESIS-2000-006

K. DESLER

Elastic and Proton-Dissociative ρ^0 Photoproduction at HERA.

Univ. Hamburg/D (2000)

G. GARCÍA LÓPEZ

Two Different Cases of Calorimetry in High Energy Physics: The ATLAS Liquid Argon Electromagnetic End Cap and the ZEUS Forward Plug Calorimeter.

Univ. Autónoma de Madrid/E (2000)

DESY-THESIS-2000-010

N. GENDNER

Studies of $PbWO_4$ Crystals and Construction and Tests of a Compact Crystal Calorimeter for ZEUS.

Univ. Hamburg/D (2000)

DESY-THESIS-2000-024

K. HEBBEL

Measurement of Charm Production in Deep Inelastic ep Scattering at HERA.

Univ. Hamburg/D (2000)

DESY-THESIS-2000-016

M. KHAKZAD

Measurement of Dijet Cross Sections with a Leading Neutron in Photoproduction at HERA.

Univ. York/CAN (2000)

DESY-THESIS-2000-008

S.W. LEE

Measurements of Prompt Photon Photoproduction at HERA.

Univ. Glasgow/GB (2000)

W. LIU

Search for Resonances Decaying to e^+ jet and Limits on First Generation Leptoquarks in e^+p Interactions at HERA.

Columbia Univ., New York/USA (2000)

P. MARKUN

Properties of Hadronic Final States in Diffractive Deep Inelastic ep-Scattering at HERA.

Univ. Freiburg/D (2000)

A. POLINI

Exclusive Photoproduction of $J/\psi \rightarrow \mu^+ \mu^-$ in e-p Interactions at HERA.

Univ. degli Studi di Bologna/I (2000)

DESY-THESIS-2000-048

O. RUSKE

Measurement and Phenomenology of the Proton Structure Function F_2 Using the 96/97 ZEUS Data at HERA.

Univ. of Oxford/GB (2000)

A. SABETFAKHRI

A Search for Electron and Neutrino Compositeness in ep Collisions at HERA.

Univ. of Toronto/CAN (2000)

DESY-THESIS-2000-039

S. SAMPSON

A Search for Positron-Quark Resonances with Antineutrino Decays at HERA.

Columbia Univ., New York/USA (2000)

J. SCOTT

First Direct Measurement of F_2 Using ISR Events in DIS at HERA.

Univ. Bristol/GB (2000)

M. SIEVERS

Search for QCD-Instanton-Induced Processes in Deep Inelastic Scattering at HERA.

Univ. Hamburg/D (2000)

DESY-THESIS-2000-027

A. VAN SIGHEM

Charged Current Deep Inelastic Scattering at HERA.

Univ. of Amsterdam/NL (2000)

Diplomarbeiten

B. BRENDEBACH

Alignment, Kalibration und Effizienzbestimmung des ZEUS-Übergangsstrahlungsdetektors.

Univ. Bonn/D (2000)

BONN-IB-2000-09

B. HINZEN

Einsatz neuronaler Netze zur Elektron-Identifikation im rückwärtigen ZEUS-Detektor.

Univ. Bonn/D (2000)

BONN-IB-2000-07

D. KARSZNIA

Ageing Effects in Gas Proportional Counters.

Univ. of Mining and Metallurgy, Cracow/PL (2000)

O. KIND

ZEUS-Übergangsstrahlungsdetektor.

Univ. Bonn/D (2000)

A. RUCHALA

The Investigations of Multi-Component Ar Based Gas Mixtures with CF_4 for Drift Straw Tubes Applications.

Univ. of Mining and Metallurgy, Cracow/PL (2000)

HERMES**Veröffentlichungen**

- HERMES KOLLABORATION, K. ACKERSTAFF et al.
Measurement of Angular Distributions and $R = \sigma_L/\sigma_T$ in Diffractive Electroproduction of ρ^0 Mesons.
Eur. Phys. J. C18 (2000) 303 und DESY 99-199, hep-ex/0002016
- HERMES KOLLABORATION, A. AIRAPETIAN et al.
Hadron Formation in Deep-Inelastic Positron Scattering from ^{14}N and ^2H .
DESY 00-191, hep-ex/0012049
- The Q^2 -Dependence of the Generalised Gerasimov-Drell-Hearn Integral for the Proton.
Phys. Lett. B494 (2000) 1 und DESY 00-096, hep-ex/0008037
- Exclusive Leptoproduction of ρ^0 Mesons on Hydrogen at Intermediate W Values.
Eur. Phys. J. C17 (2000) 389 und DESY 00-058, hep-ex/0004023
- N. AKOPOV et al.
The HERMES Dual-Radiator Ring Imaging Čerenkov Detector.
DESY 00-190
- M. BECKMANN et al.
The Longitudinal Polarimeter at HERA.
DESY 00-106
- E. DE SANCTIS, W.D. NOWAK, K. OGANESSYAN
Single-Spin Azimuthal Asymmetries in the Reduced Twist-3 Approximation.
Phys. Lett. B483 (2000) 69 und DESY 00-016, hep-ph/0002091
- V. KOROTKOV, W.D. NOWAK, K. OGANESSYAN
Transversity Distribution and Polarized Fragmentation Function from Semi-Inclusive Pion Electroproduction.
Eur. Phys. J. C18 (2001) 639 und DESY 99-176, hep-ph/0002268

Veröffentlichte Vorträge

- Proc. of the 8th Int. Workshop on Deep Inelastic Scattering and QCD (DIS 2000), Liverpool/GB (2000)**
- H. AVAKIAN
Spin-Azimuthal Asymmetries in DIS.
- A. BORISSOV
Diffractive Vector Meson Production: HERMES Results.
- P. DI NEZZA
Hadron Attenuation in Nuclei at HERMES.
- N. MAKINS
Spin Physics.
- A. NAGAITSEV
Measurement of the Generalized GDH Integral for the Proton.

W.D. NOWAK
The Polarized Structure Function g_1^p at Low x_{Bj} and Low Q^2 Measured with HERMES.
Future Transversity Measurements at HERMES.

E. THOMAS
Hard Exclusive Pion Production at HERMES.

G. VAN DER STEENHOVEN
Nuclear Effects on $R = \sigma_L/\sigma_T$ in Deep-Inelastic Scattering.

Proc. of the 14th Int. Sympos. on Spin Physics (SPIN 2000), Osaka/J (2000)

M. AMARIAN
Deeply Virtual Compton Scattering and Exclusive Meson Production at HERMES.

E. ASCHENAUER
HERMES at the Turn of the Millennium.

S. BERNREUTHER
Longitudinal and Transverse Lambda Polarization in Deep Inelastic Lepton Nucleon Scattering at HERMES.

P. DI NEZZA
Spin Azimuthal Asymmetries in Semi-Inclusive Pion Electroproduction at HERMES.

A. GUTE
Recent Spin Physics Results from HERMES.

P. LENISA
The HERMES Internal Polarized Deuterium Target.

T. LINDEMANN
Measurement of Polarized Quark Distributions in the Nucleon at HERMES.

D. RYCKBOSCH
Exclusive Electroproduction of Mesons.

Y. SAKEMI
Spin Physics by HERMES Using Hadron Identification with the Ring Imaging Čerenkov Counter.

U. STOESSLEIN
Measurement of the Spin Structure Function g_1 of the Proton and the Deuteron.

Proc. of the 7th Conf. on Intersections of Particle and Nuclear Physics (CIPANP 2000), Quebec City/CAN (2000)

M. BECKMANN
Measurement of Polarised Quark Distributions of the Nucleon at HERMES.

A. BRUELL
Measurement of the Spin Asymmetry in the Photoproduction of Pairs of High- P_t Hadrons at HERMES.
Nuclear Dependence of $R = \sigma_L/\sigma_T$.

D. DE SCHEPPER

HERMES: Fragmentations and QCD Fit.
A Ring Imaging Čerenkov for HERMES.

B. FOX

Hadron Attenuation in Nuclei.

M. HENOCH

The HERMES Internal Polarized Hydrogen and Deuterium Target.

R. KAISER

New Measurements of Spin Structure Functions at HERMES.

G. KYLE

Λ^0 Polarization at HERMES.

A. MILLER

Single-Spin/Azimuthal Asymmetries in Semi-Inclusive and Exclusive DIS.

B. SEITZ

Q^2 -Dependence of the Generalized GDH Integral for the Proton.

M. VINCTER

Spin Structure Functions and the Spin Structure of the Nucleon.

N. AKOPOV

HERMES Results for the Generalised Gerasimov-Drell-Hearn Integral.

Proc. of the Int. Sympos. on the GDH Sum Rule and the Nucleon Spin Structure in the Resonance Region, Mainz/D (2000)

N. BIANCHI

Spin Physics with HERMES.

Proc. of the LNF Spring School in Nuclear, Subnuclear and Astroparticle Physics, Frascati/I (2000)

The High Energy Contribution to the GDH Sum Rule.

Proc. of the Int. Sympos. of the GDH Sum Rule and the Nucleon Spin Structure in the Resonance Region, Mainz/D (2000)

H. BOETTCHER

The Polarized Structure Function g_1^p at Low Bjorken- x and Low Q^2 and Polarized Parton Distributions at HERMES.

Proc. of the 14th Rencontre de la Vallée d'Aoste, La Thuile/I (2000)

A. BORISSOV

Diffraction and Deeply Virtual Exclusive Scattering at Intermediate Virtual Photon Energies of HERMES.

Proc. of the Int. Workshop on Diffraction in High-Energy Physics and Nuclear Physics, Cosenza/I (2000)

Cross Sections of Vector Meson Production at Intermediate Virtual Photon Energies of HERMES.

Proc. of the Int. Workshop on Production, Properties and Interaction of Mesons, Cracow/PL (2000) (Acta Phys. Pol. B31 (2000))

P. CHUMNEY

Λ^0 Polarization at HERMES.

Proc. of the Lake Louise Winter Inst.: From Particles to the Universe, Lake Louise/CAN (2000)

B. FOX

Nuclear Effects at HERMES.

Proc. of the 35th Rencontres de Moriond: QCD and Hadronic Interactions, Les Arcs/F (2000)

E. GARUTTI

Nuclear Effects on R in Deep-Inelastic Scattering.

Proc. of the Int. Conf. on Hadron Structure, Stara Lesna/SQ (2000)

M. HARTIG

Diffraction Vector Meson Production at HERMES.

Proc. of the Int. Conf. on Quark Nuclear Physics (QNP 2000), Adelaide/AUS (2000)

D. HASCH

Single Spin Azimuthal Asymmetries.

Proc. of the 35th Rencontres de Moriond: QCD and Hadronic Interactions, Les Arcs/F (2000)

E. KINNEY

The Spin Structure of the Nucleon.

Proc. of the 20th Int. Conf. on Physics in Collision (PIC2000), Lisbon/P (2000)

N. MAKINS

HERMES and non-RHIC Spin Physics

Proc. of the Workshop on Hard Processes and RHIC Physics, LANL Los Alamos/USA (2000)

Spin Physics at HERMES.

Proc. of the 16th Int. Conf. on Few-Body Problems in Physics (FB16), Taipei/RC (2000)

F. MEISSNER

Exclusive ρ Vector Meson Production in (Polarised) Lepton-Nucleon Scattering

Proc. of the Lake Louise Winter Inst.: From Particles to the Universe, Lake Louise/CAN (2000)

V. MUCCIFORA

Nuclear Effects at HERMES.

Proc. of the 38th Int. Winter Meeting on Nuclear Physics, Bormio/I (2000)

Pion Electroproduction at HERMES.

Proc. of the Int. Workshop on Production, Properties and Interaction of Mesons, Cracow/PL (2000) (Acta Phys. Pol. B31 (2000))

Y. NARYSHKIN

Fragmentation Function of Up Quark to Lambda Measured in the HERMES Experiment.

Proc. of the 15th Int. Seminar on High Energy Physics Problems: Relativistic Nucl. Physics and Quantum Chromodynamics (SHEPP 2000), Dubna/RUS (2000)

K. OGANESSYAN

Perturbative Contribution to the $\sin \phi$ Asymmetry in Semiinclusive π^+ Electroproduction.

Proc. of the Int. Euroconf. in Quantum Chromodynamics: 15 Years of the QCD, Montpellier/F (2000)

P. SCHULER

Polarimeter Studies for TESLA.
Proc. of the 5th Int. Linear Collider Workshop (LCWS 2000),
Batavia/USA (2000)

E. STEFFENS

Meson Production Studied by HERMES.
Proc. of the Int. Workshop on Production, Properties and Interaction
of Mesons, Cracow/PL (2000) (Acta Phys. Pol. B31 (2000))

J. STEIJGER

First Experience with the HERMES Silicon Detector.
Proc. of the 8th Pisa Meeting on Adv. Detectors: Frontier Detectors
for Frontier Physics, La Biodola/I (2000)

M. VETTERLI

The Spin Structure of the Nucleon and QCD Studies at HERMES.
Proc. of the Int. Euroconf. on QCD: 15 Years of the QCD,
Montpellier/F (2000)

J. WENDLAND

Spin Asymmetries at HERMES.
Proc. of the Int. Conf. on Hadron Structure, Stara Lesna/SQ (2000)

Vorträge

DPG Frühjahrstagung Teilchenphysik, Dresden/D (2000)

P. JUNG

Teilchenidentifizierung mit dem HERMES-RICH-Detektor.

F. MENDEN

Präzisionsmessung der Polarisation des HERA Elektronenstrahls
mit einem Compton-Polarimeter.

K. NEGODAEVA

Vector Meson Production at HERMES.

C. SCHILL

Aufbau eines Scintillating Fiber Detektors zur Strahlüberwachung
am HERMES Compton-Polarimeter.

U. STOESSLEIN

Neues vom HERMES-Experiment zur Struktur des Nukleons.

C. WEISKOPF

Polarisierte Bhabha-Streuung an einem reinen Wasserstofftarget
im HERMES-Experiment.

M. AMARIAN

DVCS and Exclusive Meson Production Measured by HERMES.
Int. Workshop on Skewed Parton Distributions and Lepton-Nucleon
Scattering, Hamburg/D (2000)

H. AVAKIAN

Recent Results on Spin Physics from HERMES.
Workshop on the Physics Problems of Nucleon Structure and
Meson Spectroscopy, Dubna/RUS (2000)

S. BELOSTOTSKI

Fragmentation Function of the Up Quark to Lambda Measured
in the HERMES Experiment.

Workshop on the Physics Problems of Nucleon Structure and
Meson Spectroscopy, Dubna/RUS (2000)

N. BIANCHI

La fisica dello spin a HERMES.
13th Seminario di Fisica Nucleare e Subnucleare, Otranto/I (2000)
86th Congresso Naz. Soc. Ital. di Fisica, Palermo/I (2000)

Recent Results from HERMES.

Gordon Res. Conf. on Photonuclear Reactions, Tilton/USA (2000)

Spin and Exclusive Processes.

Workshop on ELFE Physics, Valencia/E (2000)

P. DI NEZZA

Pion Electroproduction at HERMES.
Hadronic Physics with High Energy Electromagnetic Probes
(HAPHEEP), Valencia/E (2000)

A. FANTONI

Determination of the GDH Integral in the HERMES Experiment.
APS Spring Meeting, Long Beach/USA (2000)

B. FILIPPONE

Spin of the Nucleon.
Workshop on Strange Quarks in Hadrons, Nuclei, and Nuclear
Matter, Athens/USA (2000)

D. HASCH

Processi esclusivi a HERMES.
86th Congresso Naz. Soc. Ital. di Fisica, Palermo/I (2000)

Single Spin Asymmetries at HERMES.

Hadronic Physics with High Energy Electromagnetic Probes
(HAPHEEP), Valencia/E (2000)

H. JACKSON

Recent Results from HERMES.
APS Spring Meeting, Long Beach/USA (2000)

E. KINNEY

Semi-Inclusive Results from HERMES.
Workshop on Nucleon Structure in the High x-Bjorken Region,
Philadelphia/USA (2000)

W. LORENZON

Fragmentation and Semi-Inclusive Results from HERMES.
Workshop on the Quark-Hadron Transition in Structure and Frag-
mentation Functions, Newport News/USA (2000)

F. MENDEN

Das longitudinale Polarimeter bei HERA.
Herbstschule Maria Laach/D (2000)

V. MUCCIFORA

Nuclear Effects in Deep Inelastic Scattering.
Gordon Res. Conf. on Photonuclear Reactions, Tilton/USA (2000)

Effetti nucleari a HERMES.

86th Congresso Naz. Soc. Ital. di Fisica, Palermo/I (2000)

W.D. NOWAK

Results on Azimuthal Asymmetries from DIS Experiments.
Workshop on Future Transversity Measurements, BNL Upton/USA
(2000)

D. RYCKBOSCH

Spin Azimuthal Asymmetries: From HERMES to ELFE.
Workshop on ELFE Physics, Valencia/E (2000)

Nuclear Effects in 27 GeV Electron Scattering: The HERMES Experiment.
Workshop on Nucl. Phys. in Belgium and Europe, Ittre/B (2000)

P. SCHULER

e Beam Polarimetry at HERA.
2nd eRHIC Workshop, New Haven/USA (2000)

Polarimeter Studies.

ECFA/DESY Workshop, Padua/I (2000)

Compton Polarimeter.

ECFA/DESY Workshop, Hamburg/D (2000)

E. THOMAS

Exclusive Pion Production at HERMES.
Hadronic Physics with High Energy Electromagnetic Probes (HaPHEEP), Valencia/E (2000)

G. VAN DER STEENHOVEN

The HERMES Physics Program.
Int. Workshop on Skewed Parton Distributions and Lepton-Nucleon Scattering, Hamburg/D (2000)

Recoil Detection at HERMES.

The FAST Detector Concept.
Workshop on ELFE Detectors, Geneva/CH (2000)

Dissertationen**B.S. BAINS**

A Measurement of Nucleon Quark Spin Distributions at HERMES.
Univ. of Illinois, Urbana-Champaign/USA (2000)

C. BAUMGARTEN

Studies of Spin Relaxation and Recombination at the HERMES Hydrogen/Deuterium Gas Target.
Univ. München/D (2000)
DESY-THESIS-2000-038

M. BECKMANN

Extraction of Polarised Quark Distributions of the Nucleon from Deep Inelastic Scattering at the HERMES Experiment.
Univ. Freiburg/D (2000)

S. BRAUKSIEPE

Extraktion der polarisierten Quark-Verteilungen des Nukleons bei HERMES.
Univ. Freiburg/D (2000)
DESY-THESIS-2001-004

F. MEISSNER

Measurement of the J/ψ Cross Section and Double-Spin Asymmetries in Vector Meson Production in Polarised Lepton-Nucleon Scattering at HERMES.
Humboldt-Univ. Berlin/D (2000)
DESY-THESIS-2000-014

G.L. RAKNESS

Spin Polarization Transfer in Exclusive ϕ Electroproduction.
Univ. of Colorado, Boulder/USA (2000)

T. SHIN

The Nuclear Dependence of Structure Function Ratios from Unpolarized Deep Inelastic Scattering.
MIT Cambridge/USA (2000)

M. SUTTER

Λ Production at HERMES.
MIT Cambridge/USA (2000)

J. VAN HUNEN

Deep-Inelastic Scattering off ^{14}N .
Univ. Utrecht/NL (2000)

Diplomarbeiten**P. JUNG**

Pion-Kaon Separation mit dem HERMES-RICH-Detektor.
Humboldt-Univ. Berlin/D (2000)

A. MAAS

Particle Identification with RICH Detectors: Algorithms and their Optimization.
TU Darmstadt/D (2000)
DESY-THESIS-2000-051

HERA-B**Veröffentlichungen****M. BARGIOTTI et al.**

Present Knowledge of the Cabibbo-Kobayashi-Maskawa Matrix.
Riv. Nuovo Cim. 23 (2000) No.3 1

C. BAUER et al.

Status of the HERA-B Vertex Detector.
Nucl. Instrum. Methods A447 (2000) 61

M. BRUSCHI

The Electromagnetic Calorimeter of the HERA-B Experiment.
Proc. of the 8th Pisa Meeting on Adv. Detectors, Isola d'Elba/I (2000) (Nucl. Instrum. Methods A)

K. EHRET et al.

Observation of Coasting Beam at the HERA Proton Ring.
Nucl. Instrum. Methods A456 (2000) 206 und
DESY 00-018, hep-ex/0002002

S. ERHAN, P. KRIŽAN, T. LOHSE

B-Physics at Hadron Machines.
Nucl. Instrum. Methods A446 (2000) 1

S. KORPAR, P. KRIŽAN, R. PESTOTNIK, A. GORIŠEK, A. STANOVNIK, M. STARIČ, D. ŠKRK

Multianode Photomultipliers as Position-Sensitive Detectors of Single Photons.
Nucl. Instrum. Methods A442 (2000) 316

W. WAGNER

The HERA-B Vertex Detector: First Results from Detector Commissioning.
Nucl. Instrum. Methods A446 (2000) 222

A. ZOCCOLI

The Electromagnetic Calorimeter of the HERA-B Experiment.
Nucl. Instrum. Methods A446 (2000) 246

Veröffentlichte Vorträge

Proc. of the IEEE Nuclear Science Symposium, Lyon/F (2000)

M. BÖCKER

The Muon Pretrigger System of the HERA-B Experiment.
Proc. of the IEEE Nucl. Sci. Sympos., Lyon/F (2000)

L. GARRIDO et al.

The HERA-B RICH.

J. HERNANDEZ

Farming in the HERA-B Experiment.

J. HERNANDEZ, D. RESSING, V. RYBNIKOV, F. SANCHEZ, G. WAGNER

HERA-B Data Acquisition System.

S. KELLER

The Inner Tracking System of the Experiment HERA-B.

V. POPOV et al.

The HERA-B High- P_t Trigger.

A. AMORIM, V. AMARAL, U. MARCONI, S. STEINBECK, A. TOMÉ, V. VAGNONI, H. WOLTERS

The HERA-B Database Services.

Proc. of the Int. Conf. on Computing in High Energy and Nucl. Phys. (CHEP2000), Padua/I (2000)

S.J. APLIN, V. EGORYTCHEV, V. SAVELIEV

Particle Identification via Transition Radiation and Detectors.

Proc. of the 7th Int. Conf. on Instr. for Colliding Beam Physics, Hamamatsu/J (1999) (Nucl. Instrum. Methods A453 (2000) 346)

V. BALAGURA et al.

High- p_t Trigger for HERA-B Experiment.

Proc. of the 7th Int. Conf. on Instr. for Colliding Beam Physics, Hamamatsu/J (1999) (Nucl. Instrum. Methods A453 (2000) 412)

C. BAUER et al.

The HERA-B Vertex Detector System.

Proc. of the 7th Int. Conf. on Instr. for Colliding Beam Physics, Hamamatsu/J (1999) (Nucl. Instrum. Methods A453 (2000) 103)

C. CRUSE

The HERA-B Muon Pretrigger System.

Proc. of the Europ. School of High Energy Phys., Caramulo/P (2000)

R. ECKMANN

HERA-B Tracking.

Proc. of the 30th Int. Conf. on High Energy Physics (ICHEP2000), Osaka/J (2000)

K. EHRET

Status and Prospects of the HERA-B Experiment.

Proc. of the 4th Int. Conf. on Hyperons, Charm and Beauty Hadrons, Valencia/E (2000) (Nucl. Phys. B, Proc. Suppl.)

L. GARRIDO et al.

HERA-B Status and First Results.

Proc. of the 7th Conf. on the Intersections of Particle and Nuclear Physics, Quebec/CAN (2000)

A. GELLRICH

Full Online Event Reconstruction at HERA-B.

Proc. of the Int. Conf. on Computing in High Energy Physics and Nuclear Physics (CHEP 2000), Padova/I (2000)

A Large Linux-PC Farm for Online Event Reconstruction at HERA-B.

Proc. of the 7th Int. Workshop on Adv. Computing and Analysis Techniques in Phys. Res., Fermilab Batavia/USA (2000)

J. HERNANDEZ

HERA-B Overview.

Proc. of the 5th Workshop on Heavy Quarks at Fixed Target, Rio de Janeiro/BR (2000)

M. HOHLMANN

The Outer Tracker of HERA-B.

Proc. of the 8th Pisa Meeting on Adv. Detectors, Isola d'Elba/I (2000) (Nucl. Instrum. Methods A)

S. KORPAR, P. KRIŽAN, A. GORIŠEK, A. STANOVNIK

Tests of Position Sensitive Photomultipliers and Measurement of Diffraction Pattern by Counting Single Photons.

Proc. of Instr. in Elementary Particle Physics – 8th ICFA School, Istanbul/TR (2000) (AIP Conf. Proc. 536 (2000) 340)

I. MATCHIKHILIAN

The HERA-B ECAL Electronics and Monitoring.

Proc. of the 9th Int. Conf. on Calorimetry in Particle Physics, Annecy/F (2000) (Frascati Physics Series)

S. NAM

The HERA-B Real-Time Trigger for $J/\psi \rightarrow \mu^+\mu^-$.

Proc. of the Meeting of the APS Division of Particles and Fields, Columbus/USA (2000) (Int. J. Mod. Phys. A)

B. SCHMIDT

Status of the HERA-B Experiment.

Proc. of the 30th Int. Conf. on High Energy Physics (ICHEP2000), Osaka/J (2000)

H. SCHRÖDER

Experimental Status of Heavy Mesons.

Proc. of the 10th Int. Light-Cone Meeting, Heidelberg/D (2000)

B. SCHWENNINGER

The Muon Pretrigger System of the HERA-B Experiment.

Proc. of the 6th Workshop on LHC Electronics, Cracow/PL (2000) (CERN 2000-010, CERN/LHCC/2000-041)

S. SHUVALOV

HERA-B ECAL Status and Plans.

Proc. of the 9th Int. Conf. on Calorimetry in Particle Physics, Annecy/F (2000) (Frascati Physics Series)

U. UWER
Status and Commissioning Results from HERA-B.
Proc. of the 7th Int. Conf. on B-Physics at Hadron Machines, Sea of Galilee/IL (2000)

Vorträge

DPG-Frühjahrstagung Teilchenphysik, Dresden/D (2000)

P. BECHTLE
DAQ-Integration und Online Monitoring des HERA-B-Muon-Pretrigger-Systems.

M. BÖCKER
Das Muon-Pretrigger-System des HERA-B Experiments.

M. DRESSEL
Bestimmung der optimalen Betriebsspannung der HERA-B Siliziumdetektoren.

H. FLECKENSTEIN
Das Leistungsverhalten der Track Finding Unit (TFU) des First Level Triggers von HERA-B.

W. GRADL
Das Auslesesystem des HERA-B Inner Tracker.

U. HUSEMANN
Erste Monte-Carlo-Studien zu seltenen Zerfällen in HERA-B.

T. JAGLA
Überwachung der Rohdaten-Qualität des HERA-B Silizium-vertexdetektors.

E. KLAUS
Was leistet der HERA-B Muon Pretrigger.

C. KRAUSS
Betriebserfahrung mit dem HERA-B Inner Tracker.

T. PERSCHKE
Rekonstruktion von Vertices mit dem Siliziumvertexdetektor von HERA-B.

D. SAMTLEBEN
Messung der Produktion schwerer Quarks bei HERA-B.

S. SCHALLER
Untersuchung von HERA-B Vertexdetektormodulen an einem Laserteststand.

M. SYMALLA
Untersuchung der Zeitstruktur der HERA-B Wechselwirkungsrate.

C. VAN ELDIK
Untersuchung von Ratenfluktuationen am HERA-B-Target.

W. WAGNER
Eigenschaften der Treffer auf den Siliziumstreifenzählern von HERA-B.

I. ABT
The HERA-B Vertex Detector.
Fermilab Batavia/USA (2000)

Status of the HERA-B Experiment.
APS Annual Meeting, Long Beach/USA (2000)

Wie macht man B-Physik – Detektordesign am Beispiel von HERA-B.
Univ. Heidelberg/D (2000)

B-Physik und CP Verletzung, HERA-B und andere Experimente.
Univ. Regensburg/D (2000)

A. AMORIM
The HERA-B Status and First Results.
20th Conf. on Physics in Collision, Lisbon/P (2000)

K. EHRET
The Challenge of a Hadronic B-Physics Experiment: HERA-B Status and Prospects.
SLAC Stanford/USA (2000)

Status and Prospects of the HERA-B Experiment.
LBNL Berkley/USA (2000)

A. GELLRICH
The HERA-B Experiment: An Introduction.
Univ. of Cincinnati/USA (2000)

P. KREUZER
Experience with HERA-B Triggering.
7th Int. Conf. on B-Physics at Hadron Machines, Sea of Galilee/IL (2000)

P. KRÍŽAN
Recent Progress in Čerenkov Counters.
IEEE Nucl. Sci. Sympos., Lyon/F (2000)

S. MASCIOCCHI
HERA-B.
Kolloquiumsvortrag, MPI München/D (2000)

First Results from the Completed HERA-B Detector.
8th Pisa Meeting on Advanced Detectors, Isola d'Elba/I (2000)

Experience with HERA-B Vertexing.
7th Int. Conf. on B-Physics at Hadron Machines, Sea of Galilee/IL (2000)

A. MOHAPATRA
A High- P_T Trigger for the HERA-B Experiment.
Meeting of the Div. of Part. and Fields of the APS, Columbus/USA (2000) (Int. J. Mod. Phys. A)

D. SAMTLEBEN
Elementarteilchen – Bausteine der Welt.
Physik-2000 Veranstaltung zur Teilchenphysik, Berlin/D (2000)

F. SÁNCHEZ
HERA-B Status and First Results.
35th Rencontres de Moriond, Les Arcs/F (2000)

J. SPENGLER
HERA-B: Status and First Results.
3rd Latin American Symp. on High Energy Physics, Cartagena de Indias/CO (2000)

U. UWER
Status and First Results from HERA-B.
BNL Upton/USA (2000)

A. ZOCCOLI
Status of the HERA-B Experiment.
Int. Conf. on CP Violation Physics, Ferrara/I (2000)

Dissertationen

C. BORGMEIER
Elektron- und Vertexrekonstruktion im frühen HERA-B Detektor.
Humboldt-Univ. Berlin/D (2000)

H. DECKERS
Untersuchung von Wabenkammern für das äußere Spurkammer-
system des HERA-B Experiments.
Humboldt-Univ. Berlin/D (2000)

T. PERSCHKE
Inklusive Multiplizität geladener Teilchen beim HERA-B Fixed-
Target Experiment.
MPI München/D (2000)

C. RICHTER
Development of Micro Pattern Gas Detectors for High Rate Ex-
periments.
Univ. Heidelberg/D (2000)

U. SCHWANKE
Trigger and Reconstruction Farms in the HERA-B Experiment
and Algorithms for a Third Level Trigger.
Humboldt-Univ. Berlin/D (2000)

A. SOMOV
Hard Proton Nucleus Interactions and Production of Heavy Flavours
at HERA-B.
DESY Zeuthen/D (2000)

S. SPRATTE
Bestimmung der Wechselwirkungsrate des HERA-B Targets und
Untersuchung des Coasting Beam am HERA-Protonen-Ring.
Univ. Dortmund/D (2000)
DESY-THESIS-2000-036

U. TRUNK
Development and Characterisation of the Radiation Tolerant
HELIX128-2 Readout Chip for the HERA-B Microstrip Detec-
tors.
Univ. Heidelberg/D (2000)

G. WAGNER
Aufbau und Test der mit Digitalen-Signal-Prozessoren realisierten
Komponenten des Datennahmesystems von HERA-B.
Univ. Hamburg/D (2000)
DESY-THESIS-2001-005

W. WAGNER
Auswertung der Daten des HERA-B Vertexdetektors im Hinblick
auf die physikalischen Eigenschaften der verwendeten Silizium-
streifen-zähler.
MPI München/D (2000)
MPI-PhE/2000-03

T. WALTER
Contribution to the Development of Microstrip Gas Chambers for
the HERA-B Experiment.
Univ. Zürich/CH (2000)

Diplomarbeiten

G. BAKI
Untersuchung der Wechselwirkungsraten einzelner Protonenbun-
che mit dem HERA-B Drahttarget.
Univ. Dortmund/D (2000)

V. BUCHHOLZ
Monitoring für das Innere Spurkammersystem von HERA-B.
Univ. Heidelberg/D (2000)

N. KOMIN
Time Calibration of the Outer Tracker at HERA-B.
Humboldt-Univ. Berlin/D (2000)

B. NAGORNY
Untersuchungen zum Nachweis der J/ψ -Produktion beim Expe-
riment HERA-B.
Univ. Hamburg/D (2000)

C. VAN ELDIK
Messung und Analyse von Ratenfluktuationen am HERA-B-Target.
Univ. Dortmund/D (2000)

C. WERNER
Untersuchungen zur Betriebssicherheit und zum Langzeitverhalten
von GEM-MSGC Detektoren bei ihrem Einsatz in einem Hoch-
ratenexperiment.
Univ. Heidelberg/D (2000)

M. WILDE
Die Slow-Control der Inneren Spurkammern bei HERA-B und
Untersuchungen zu geeigneten Hochspannungs-Parametern der
GEM-MSGCs.
Univ. Heidelberg/D (2000)

T. ZAPLOTNIK
A Method for D^0 Mixing Measurement with the HERA-B Spec-
trometer.
Univ. Ljubljana/SL (2000)

Interner Bericht

HERA-B COLLABORATION
HERA-B: Report on Status and Prospects.
DESY-PRC 00/04 (2000)

ARGUS

Veröffentlichung

H. ALBRECHT et al.
A Search for the Electric Dipole Moment of the Tau Lepton.
Phys. Lett. B485 (2000) 37 und DESY-00-064, hep-ex/0004031

FLC

Veröffentlichungen

THE LEP COLLABORATIONS, D. ABBANEO et al.

A Combination of Preliminary Electroweak Measurements and Constraints on the Standard Model.
CERN-EP-2000-016

Combined Results on B Hadron Production Rates, Lifetimes, Oscillations and Semileptonic Decays.
CERN-EP-2000-096, SLAC-PUB-8492, hep-ex/0009052

Comparison of Deep Inelastic Electron Photon Scattering Data with the HERWIG and PHOJET Monte Carlo Models.
CERN-EP-2000-109, hep-ex/0010041,
zur Veröffentlich. in Eur. Phys. J. C

THE LEP COLLABORATIONS, P. BOCK et al.

Searches for Higgs Bosons: Preliminary Combined Results Using LEP Data Collected at Energies up to 202 GeV.
CERN-EP-2000-055

OPAL COLLABORATION, G. ABBIENDI et al.

Transverse and Longitudinal Bose-Einstein Correlations in Hadronic Z^0 Decays.
Eur. Phys. J. C16 (2000) 423 und hep-ex/0002062

Z Boson Pair Production in e^+e^- Collisions at $\sqrt{s} = 183$ GeV and 189 GeV.
Phys. Lett. B476 (2000) 256 und hep-ex/0003016

Measurement of $|V_{cb}|$ Using $\bar{B}^0 \rightarrow D^* + l^- \bar{\nu}$ Decays.
Phys. Lett. B482 (2000) 15 und hep-ex/0003013

Photonic Events with Missing Energy in e^+e^- Collisions at $\sqrt{s} = 189$ GeV.
Eur. Phys. J. C18 (2000) 253 und hep-ex/0005002

A Measurement of the Tau Mass and the First CPT Test with Tau Leptons.
Phys. Lett. B492 (2000) 23 und hep-ex/0005009

Searches for Prompt Light Gravitino Signatures in e^+e^- Collisions at $\sqrt{s} = 189$ GeV.
hep-ex/0007014, zur Veröffentlich. in Phys. Lett. B

First Measurement of the Inclusive Branching Ratio of B Hadrons to ϕ Mesons in Z^0 Decays.
Phys. Lett. B492 (2000) 13 und hep-ex/0007015

Search for Trilinear Neutral Gauge Boson Couplings in Z/γ Production at $\sqrt{s} = 189$ GeV at LEP.
Eur. Phys. J. C17 (2000) 553 und hep-ex/0007016

Multiplicities of π^0 , η , K^0 and of Charged Particles in Quark and Gluon Jets.
Eur. Phys. J. C17 (2000) 373 und hep-ex/0007017

Measurement of the Low-x Behavior of the Photon Structure Function F_2^γ .
Eur. Phys. J. C18 (2000) 15 und hep-ex/0007018

Production Rates of $b\bar{b}$ Quark Pairs from Gluons and $b\bar{b}b\bar{b}$ Events in Hadronic Z^0 Decays.
hep-ex/0010029, zur Veröffentlich. in Eur. Phys. J. C

Two Higgs Doublet Model and Model Independent Interpretation of Neutral Higgs Boson Searches.
hep-ex/0007040, zur Veröffentlich. in Eur. Phys. J. C

A Study of One-Prong Tau Decays with a Charged Kaon.
hep-ex/0009017, zur Veröffentlich. in Eur. Phys. J. C

Measurement of the Mass and Width of the W Boson in e^+e^- Collisions at 189 GeV.
CERN-EP-2000-099, hep-ex/0009018

W^+W^- Production Cross Section and W Branching Fractions in e^+e^- Collisions at 189 GeV.
Phys. Lett. B493 (2000) 249 und hep-ex/0009019

A Measurement of the Rate of Charm Production in W Decays.
Phys. Lett. B490 (2000) 71 und hep-ex/0009020

Measurement of the B^0 Lifetime and Oscillation Frequency Using $B^0 \rightarrow D^* + l^- \bar{\nu}$ Decays.
Phys. Lett. B493 (2000) 266 und hep-ex/0010013

Measurement of W Boson Polarizations and CP-Violating Triple Gauge Couplings from W^+W^- Production at LEP.
CERN-EP-2000-113, hep-ex/0009021,
zur Veröffentlich. in Eur. Phys. J. C

Measurement of Triple Gauge Boson Couplings from W^+W^- Production at LEP Energies up to 189 GeV.
Eur. Phys. J. C19 (2001) 1 und
CERN-EP-2000-114, hep-ex/0009022

Investigation of the Decay of Orbitally-Excited B Mesons and First Measurement of the Branching Ratio $BR(B_J^* \rightarrow B^* \pi(X))$.
CERN-EP-2000-125, hep-ex/0010031,
zur Veröffentlich. in Eur. Phys. J. C

Charged Multiplicities in Z Decays into u, d, and s Quarks.
CERN-EP-2000-128, hep-ex/0011022,
zur Veröffentlich. in Eur. Phys. J. C

A Study of B_s Meson Oscillation Using D_s Lepton Correlations.
CERN-EP-2000-136, hep-ex/0011052,
zur Veröffentlich. in Eur. Phys. J. C

Precise Determination of the Z Resonance Parameters at LEP: „Zedometry“.
CERN-EP-2000-148, hep-ex/0012018,
zur Veröffentlich. in Eur. Phys. J. C

K. DESCH, N. WERMES
Das Higgs-Boson: Wie nahe dran ist LEP?
Phys. Bl. 56 (2000) 35

Veröffentlichte Vorträge**Proc. of the 5th Int. Linear Collider Workshop (LCWS 2000), Batavia/USA (2000)**

T. BEHNKE

Brahms: A MC for a Detector at an e^+e^- Linear Collider. Tracking Review.

K. BÜSSER

Mask Design and Background Studies for TESLA.

K. DESCH

Summary of the Higgs Parallel Session (Experimental Part).
Extracting Higgs Couplings.
Measurement of the WW-Fusion Cross Section.

K. HARDER

Overall Track Reconstruction at TESLA.

V. KORBEL

The Hadronic Tile Calorimeter for the TESLA Detector.

W. MENGES

TGCs at TESLA.

V. MORGUNOV

Event Reconstruction with the TESLA Calorimeter.

M. SCHUMACHER

TPC with GEM Readout for TESLA.

K. BÜSSER

Beam Related Background in a Detector for TESLA and Instrumentation of the Mask Region.
Proc. of the Workshop on Beam Delivery and Interaction Region, Daresbury/GB (2000)

K. DESCH

New Physics at Future Linear Electron-Positron Colliders.
Proc. of the 30th Int. Conf. on High Energy Physics (ICHEP 2000), Osaka/J (2000)**Vorträge****DPG Frühjahrstagung Teilchenphysik, Dresden/D (2000)**

T. BEHNKE

Elektron Positron Linearbeschleuniger bei hohen Energien. (Plenarvortrag)

K. HARDER

Spurrekonstruktion für einen TESLA-Detektor.

J. HAUSCHILDT

Optimierung des Spurkammersystems eines Detektors bei TESLA.

C. HENSEL

Suche nach fast masse-entarteten Charginos und Neutralinos bei OPAL.

P. HÜNTEMEYER

Bestimmung der Rate hochenergetischer Photonen aus Quark-Bremstrahlung in multihadronischen Z^0 -Zerfällen.

A. KYARAD

Suche nach dem Higgs-Boson im Zwei-Higgs-Dublett-Modell im Yukawa-Prozess mit dem OPAL-Detektor.

W. MENGES

Messung der Drei-Eichboson Kopplungen mit Hilfe von Spindichmatrizen mit dem OPAL-Detektor.

N. MEYER

Messung der totalen Breite leichter Higgsbosonen an einem e^+e^- Linearbeschleuniger.

T. MUNDT

Messung der Vorwärts-Rückwärts-Asymmetrie mit semileptonischen Zerfällen schwerer Quarks bei OPAL.

6th Workshop of the 2nd ECFA/DESY Study on Physics and Detectors for a Linear Electron-Positron Collider, Padua/I (2000)

T. BEHNKE

Brahms: A MC for a Detector at an e^+e^- Linear Collider.
The Mask for a Detector at TESLA.

K. DESCH

Report on Higgs Physics.

M. GRUWE, M. HAUSCHILD

Studies of dE/dx Capabilities in TESLA.

J. HAUSCHILDT

Optimization Studies on the Intermediate Tracker.

N. MEYER

The Higgs Boson Width through WW-Fusion at TESLA.

V. MORGUNOV

FLC Detector – Tile Calorimeter Properties.

M. SCHUMACHER

Studies with the TPC Setup Using a Double GEM at DESY.

7th Workshop of the 2nd ECFA/DESY Study on Physics and Detectors for a Linear Electron-Positron Collider, Hamburg/D (2000)

T. BEHNKE

Brahms: A MC for a Detector at an e^+e^- Linear Collider.

K. BÜSSER

The Machine Detector Interface.
Instrumentation of the Mask Region.
News from the Mask Region.

W. MENGES

TGCs at TESLA.

M. SCHUMACHER

Determination of the CP Quantum Numbers of the Higgs Boson.
TPC in the TDR.

T. BEHNKE

The Physics Case for TESLA.

Wiss. Rat, DESY Hamburg/D (2000)

From FEL to TESLA. (Plenarvortrag)

IEEE Nucl. Sci. Sympos., Lyon/F (2000)

K. BÜSSER

TESLA und die Physik des 21. Jahrhunderts.

United Space Parade, Berlin/D (2000)

K. DESCH

Physik mit TESLA.

Jahrestreffen der dt. Teilchenphysiker, Bad Honnef/D (2000)

Is there a Light Higgs Boson at LEP?

Zeuthen/D (2000)

Hamburg/D (2000)

M. GRUWE

Recherche de la supersymétrie au LEP.

Univ. Libre de Bruxelles/B (2000)

K. HARDER

The TESLA Project.

Univ. Hamburg/D (2000)

R.D. HEUER

The TESLA Project: Status and Perspectives.

Univ. Bologna/I (2000)

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

Kolloquiumsvortrag, RWTH Aachen/D (2000)

Was macht Masse? Die Suche nach dem Higgs Boson.

Univ. Stuttgart/D (2000)

HEP Funding Structure in Germany.

RECFA, Berlin/D (2000)

Teilchenphysik bei TESLA.

DESY Beschleuniger-Betriebsseminar, Grömitz/D (2000)

The e^+e^- Linear Collider TESLA: Status and Scientific Prospects.

Kolloquiumsvortrag, Univ. Katowice/PL (2000)

Kolloquiumsvortrag, Univ. Cracow/PL (2000)

Univ. Warszawa/PL (2000)

Meeting of the Acad. Sci., Moscow/RUS (2000)

V. KORBEL

A Detector for the TESLA Linear Collider.

Nucl. Phys. Inst., Tashkent/UZ (2000)

Charles Univ., Prague/CZ (2000)

Diplomarbeiten

J. HAUSCHILDT

Optimierung eines Detektors an einem 500 GeV e^+e^- Linearbeschleuniger.

Univ. Hamburg/D (2000)

A. KYARAD

Suche nach dem Higgs-Boson im Zwei-Higgs-Dublett-Modell im Yukawa-Prozess mit dem OPAL-Detektor.

Univ. Hamburg/D (2000)

W. MENGES

Untersuchung der Drei-Eichboson-Kopplungen mit dem OPAL-Detektor bei LEP.

Univ. Hamburg/D (2000)

DESY-THESIS-2000-025

N. MEYER

Higgs-Bosonen bei TESLA: Studien zur Produktion durch WW-Fusion und zur Bestimmung der Zerfallsbreite.

Univ. Hamburg/D (2000)

DESY-THESIS-2000-031

Theorie

Veröffentlichungen

A. ALI, D. BENSON, I. BIGI, R. HAWKINGS, T. MANNEL
b Quark Physics with 2×10^9 Z Bosons.

TESLA Techn. Design Report (DESY 00-011C) und
DESY 00-183, hep-ph/0012218

A. ALI, L.T. HANDOKO, D. LONDON

Supersymmetric Effects on Isospin Symmetry Breaking and Direct
CP Violation in $B \rightarrow \rho\gamma$.

Phys. Rev. D63 (2000) 014014 und

DESY 00-088, hep-ph/0006175

A. ALI, D. LONDON

What if the Mass Difference ΔM_s is around 18 Inverse Pico-seconds?

Eur. Phys. J. C18 (2001) 665 und DESY 00-182, hep-ph/0012155

A. ALI, A.YA. PARKHOMENKO

The $\eta'g^*g^*$ Vertex with Arbitrary Gluon Virtualities in the Per-
turbative QCD Hard Scattering Approach.

DESY 00-093, hep-ph/0012212, zur Veröffentl. in Phys. Rev. D

P. AURENCHE, J.P. GUILLET, M. WERLEN, M. FONTANNAZ,
B.A. KNIEHL

Large- p_T Inclusive π^0 Cross Sections and Next-to-Leading-Order
QCD Predictions.

Eur. Phys. J. C13 (2000) 347 und DESY 99-153, hep-ph/9910252

S. AZAKOV, H. JOOS, A. WIPF

Witten-Veneziano Relation for the Schwinger Model.

Phys. Lett. B479 (2000) 245 und hep-th/0002197

S.B. BAE, P. KO, H.S. LEE, J. LEE

Phenomenology of the Radion in Randall-Sundrum Scenario at
Colliders.

Phys. Lett. B487 (2000) 299 und DESY 00-030

P. BALL, R. FLEISCHER

An Analysis of B_s Decays in the Left-Right-Symmetric Model
with Spontaneous CP Violation.

Phys. Lett. B475 (2000) 111 und DESY 99-191, hep-ph/9912319

A.A. BARRIENTOS BENDEZU, K.P.O. DIENER, B.A. KNIEHL

Virtual Sfermion Effects on Vector-Boson Pair Production at e^+e^-
Colliders.

Phys. Lett. B478 (2000) 255 und DESY 99-189, hep-ph/0002058

- A.A. BARRIENTOS BENDEZU, B.A. KНИЕHL
Squark Loop Correction to $W^{\pm}H^{\mp}$ Associated Hadroproduction.
Phys. Rev. D63 (2001) 015009 und
DESY 00-110, hep-ph/0007336
- J. BARTELS, S. GIESEKE, C.F. QIAO
The $(\gamma^* \rightarrow q\bar{q})$ -Reggeon Vertex in Next-to-Leading Order QCD.
Phys. Rev. D63 (2001) 56014 und DESY 00-132, hep-ph/0009102
- J. BARTELS, K. GOLEC-BIERNAT, K. PETERS
An Estimate of Higher Twist at Small x_B and Low Q^2 Based upon
a Saturation Model.
Eur. Phys. J. C17 (2000) 121 und DESY 00-038, hep-ph/0003042
- J. BARTELS, H. JUNG, A. KYRIELEIS
Massive $c\bar{c}g$ -Production in Diffractive DIS.
hep-ph/0010300
- M. BENEKE et al.
Top Quark Physics.
EPJ direct C3 (2000) 1 und DESY 00-019, hep-ph/0003033
- S. BERGE, M. KLASSEN, Y. UMEDA
Sfermion Pair Production in Polarized and Unpolarized $\gamma\gamma$ Col-
lisions.
Phys. Rev. D63 (2001) 35003 und
DESY 00-112, hep-ph/0008081
- E.L. BERGER, M. KLASSEN, T.M.P. TAIT
Next-to-Leading Order SUSY-QCD Predictions for Associated
Production of Gauginos and Gluinos.
Phys. Rev. D62 (2000) 095014 und
DESY 00-069, hep-ph/0005196
- W. BERNREUTHER, A. BRANDENBURG, Z.G. SI
Next-to-Leading Order QCD Corrections to Top Quark Spin Cor-
relations at Hadron Colliders: The Reactions $q\bar{q} \rightarrow t\bar{t}(g)$.
Phys. Lett. B483 (2000) 99 und hep-ph/0004184
- W. BERNREUTHER, A. BRANDENBURG, P. UWER
Next-to-Leading Order QCD Corrections to Parity-Violating 3-Jet
Observables for Massive Quarks in e^+e^- Annihilation.
DESY 00-121, Saclay/SPhT-T00/120, hep-ph/0008291
- M. BISSET, M. GUCHAIT, S. MORETTI
Signatures of Charged Higgs Boson Decays via Chargino-Neu-
tralino Channels at the LHC.
Eur. Phys. J. C19 (2001) 143 und DESY 00-150, hep-ph/0010253
- G.A. BLAIR, W. POROD, P.M. ZERWAS
Reconstructing Supersymmetric Theories at High-Energy Scales.
Phys. Rev. D63 (2001) 017703 und
DESY 99-181, hep-ph/0007107
- V. BÖRCHERS, J. MEYER, S. GIESEKE, G. MARTENS, C.C.
NOACK
A Poincaré Covariant Parton Cascade Model for Ultrarelativistic
Heavy-Ion Reactions.
Phys. Rev. C62 (2000) 064903 und hep-ph/0006038
- M. BOLZ, A. BRANDENBURG, W. BUCHMÜLLER
Thermal Production of Gravitinos.
DESY 00-167, hep-ph/0012052
- E. BRAATEN, B.A. KНИЕHL, J. LEE
Polarization of Prompt J/ψ at the Tevatron.
Phys. Rev. D62 (2000) 094005 und
DESY 99-175, hep-ph/9911436
- E. BRAATEN, J. LEE
Next-to-Leading Order Calculation of the Color-Octet 3S_1 Gluon
Fragmentation Function for Heavy Quarkonium.
Nucl. Phys. B586 (2000) 427 und DESY 00-067
- R. BRUNETTI, K. FREDENHAGEN
Microlocal Analysis and Interacting Quantum Field Theories: Re-
normalization on Physical Backgrounds.
Commun. Math. Phys. 208 (2000) 623 und
DESY 99-032, math-ph/9903028
- W. BUCHMÜLLER, L. COVI, D. DELEPINE
Inflation and Supersymmetry Breaking.
Phys. Lett. B491 (2000) 183 und DESY 00-082, hep-ph/0006168
- W. BUCHMÜLLER, S. FREDENHAGEN
Quantum Mechanics of Baryogenesis.
Phys. Lett. B483 (2000) 217 und DESY 00-056, hep-ph/0004145
- W. BUCHMÜLLER, M. PLÜMACHER
Neutrino Masses and the Baryon Asymmetry.
Int. J. Mod. Phys. A15 (2000) 5047 und
DESY 99-187, hep-ph/0007176
- A.J. BURAS, R. FLEISCHER
Constraints on the CKM Angle γ and Strong Phases from $B \rightarrow \pi K$
Decays.
Eur. Phys. J. C16 (2000) 97 und DESY 00-051, hep-ph/0003323
- M. CARENA, H. HABER, S. HEINEMEYER, W. HOLLIK, C.
WAGNER, G. WEIGLEIN
Reconciling the Two-Loop Diagrammatic and Effective Field
Theory Computations of the Mass of Lightest CP-Even Higgs
Boson in the MSSM.
Nucl. Phys. B580 (2000) 29 und DESY 99-197, hep-ph/0001002
- K.G. CHETYRKIN, J.H. KÜHN, M. STEINHAUSER
RunDec: A Mathematica Package for Running and Decoupling
of the Strong Coupling and Quark Masses.
Comput. Phys. Commun. 133 (2000) 43 und
DESY 00-034, hep-ph/0004189
- K.G. CHETYRKIN, M. STEINHAUSER
Three-Loop Non-Diagonal Current Correlators in QCD and NLO
Corrections to Single-Top-Quark Production.
Phys. Lett. B502 (2001) 104 und DESY 00-173, hep-ph/0012002
- S.Y. CHOI, A. DJOUADI, M. GUCHAIT, J. KALINOWSKI, H.S.
SONG, P.M. ZERWAS
Reconstructing the Chargino System at e^+e^- Linear Colliders.
Eur. Phys. J. C14 (2000) 535 und DESY 00-001, hep-ph/0002033
- S.Y. CHOI, M. GUCHAIT, J. KALINOWSKI, P.M. ZERWAS
Chargino Pair Production at e^+e^- Colliders with Polarized Beams.
Phys. Lett. 479 (2000) 235 und DESY 99-198, hep-ph/0001175
- S.Y. CHOI, M. GUCHAIT, W.Y. SONG, H.S. SONG
Measuring CP Violating Phases in Correlated Supersymmetric
Trilepton Signature at the Tevatron.
DESY 00-105, hep-ph/0007276,
zur Veröffentl. in Phys. Rev. D

- M. CIAFALONI, D. COLFERAI, G.P. SALAM
On Factorization at Small- x .
JHEP 0007 (2000) 054 und DESY 00-209, hep-ph/0007240
- L. COVI, D.H. LYTH
Global Fits for the Spectral Index of the Cosmological Curvature Perturbation.
DESY 00-119, astro-ph/0008165,
zur Veröffentlich. in Mon. Not. Roy. Astron. Soc.
- S. DITTMAYER, M. KRÄMER, Y. LIAO, M. SPIRA, P.M. ZERWAS
Higgs Radiation off Quarks in Supersymmetric Theories at e^+e^- Colliders.
Phys. Lett. B478 (2000) 247 und DESY 99-177, hep-ph/0002035
- M. DÜTSCH, K. FREDENHAGEN
Algebraic Quantum Field Theory, Perturbation Theory, and the Loop Expansion.
DESY 00-013, hep-th/0001129,
zur Veröffentlich. in Commun. Math. Phys.
- I. DUNIETZ, R. FLEISCHER, U. NIERSTE
In Pursuit of New Physics with B_s Decays.
DESY 00-171, hep-ph/0012219
- R. ENBERG, G. INGELMAN, N. TIMNEANU
Rapidity Gaps at HERA and the Tevatron from Soft Colour Exchanges.
J. Phys. G: Nucl. Part. Phys. 26 (2000) 712
- J. ERLER, S. HEINEMEYER, W. HOLLIK, G. WEIGLEIN, P.M. ZERWAS
Physics Impact of GigaZ.
Phys. Lett. B486 (2000) 125 und DESY 00-050, hep-ph/0005024
- F. FARCHIONI, P. DE FORCRAND, I. HIP, C.B. LANG, K. SPLITTORFF
Microscopic Universality and the Chiral Phase Transition in Two Flavor QCD.
Phys. Rev. D62 (2000) 014503 und
DESY 99-185, hep-lat/9912004
- R. FLEISCHER
Constraining Penguin Contributions and the CKM Angle γ through $B_d \rightarrow \pi^+\pi^-$.
Eur. Phys. J. C16 (2000) 87 und DESY 00-014, hep-ph/0001253
- R. FLEISCHER, D. WYLER
Exploring CP Violation with B_c Decays.
Phys. Rev. D62 (2000) 057503 und
DESY 00-052, hep-ph/0004010
- A. FREITAS, W. HOLLIK, W. WALTER, G. WEIGLEIN
Complete Fermionic Two-Loop Results for the M_W - M_Z Interdependence.
Phys. Lett. B495 (2000) 338 und DESY 00-097, hep-ph/0007091
- P.A. GRASSI, T. HURTH, M. STEINHAUSER
Non-Invariant Two-Loop Counterterms for the Three-Gauge-Boson Vertices.
JHEP 0011 (2000) 37 und DESY 00-157, hep-ph/0011067
- P.A. GRASSI, B.A. KNIEHL, A. SIRLIN
Width and Partial Widths of Unstable Particles.
Phys. Rev. Lett. 86 (2001) 389 und DESY 00-074, hep-th/0005149
- G. GRINDHAMMER, B.A. KNIEHL, G. KRAMER (Eds.)
New Trends in HERA Physics 1999.
Proc. of the Ringberg Workshop, Tegernsee/D (1999)
Lecture Notes in Physics 546, Springer Heidelberg/D (2000)
- K. HAGIWARA, S. ISHIHARA, J. KAMOSHITA, B.A. KNIEHL
Prospects of Measuring General Higgs-Boson Couplings at Linear Colliders.
Eur. Phys. J. C14 (2000) 457 und DESY 99-190, hep-ph/0002043
- S. HANDS, I. MONTVAY, S. MORRISON, M. OEVERS, L. SCORZATO, J. SKULLERUD
Numerical Study of Dense Adjoint Matter in Two Color QCD.
Eur. Phys. J. C17 (2000) 285 und DESY 00-083, hep-lat/0006018
- S. HEINEMEYER, W. HOLLIK, G. WEIGLEIN
FeynHiggsFast: A Program for the Calculation of Masses and Mixing Angles in the Higgs Sector of the MSSM.
DESY 00-020, hep-ph/0002213
- Decay Widths of the Neutral CP-Even MSSM Higgs Bosons in the Feynman-Diagrammatic Approach.
Eur. Phys. J. C16 (2000) 139 und DESY 00-028, hep-ph/0003022
- A.H. HOANG, M. BENEKE, K. MELNIKOV, T. NAGANO, A. OTA, A.A. PENIN, A.A. PIVOVAROV, A. SIGNER, V.A. SMIRNOV, Y. SUMINO, T. TEUBNER, O. YAKOVLEV, A. YELKHOVSKY
Top-Anti-Top Pair Production close to Threshold: Synopsis of Recent NNLO Results.
Eur. Phys. J. direct C3 (2000) 1 und DESY 00-019,
CERN-TH/99-415, SLAC-PUB-8369, hep-ph/0001286
- F. IDDIR, A.S. SAFIR
The Decay of the Observed $J^{PC} = 1^{--}$ (1400) and $J^{PC} = 1^{--}$ (1600) Hybrid Candidates.
DESY 00-148, hep-ph/0010121, zur Veröffentlich. in Phys. Lett. B
- B.A. KNIEHL, G. KRAMER, B. PÖTTER
Fragmentation Functions for Pions, Kaons, and Protons at Next-to-Leading Order.
Nucl. Phys. B582 (2000) 514 und DESY 00-086, hep-ph/0010289
- Strong Coupling Constant from Scaling Violations in Fragmentation Functions.
Phys. Rev. Lett. 85 (2000) 5288 und
DESY 00-053, hep-ph/0003297
- Testing the Universality of Fragmentation Functions.
DESY 00-158, hep-ph/0011155
- B.A. KNIEHL, J. LEE
Polarized J/ψ from χ_{cJ} and ψ' Decays at the Tevatron.
Phys. Rev. D62 (2000) 114027 und
DESY 00-107, hep-ph/0007292
- B.A. KNIEHL, F. MADRICARDO, M. STEINHAUSER
Gauge-Independent W-Boson Partial Decay Widths.
Phys. Rev. D62 (2000) 73010 und DESY 00-047, hep-ph/0005060

- B.A. KNIEHL, C.P. PALISOC
Full Gauge-Parameter-Independent Higgs-Boson Self-Energy.
Science Diliman 12 (2000) 29
- B.A. KNIEHL, C.P. PALISOC, A. SIRLIN
Higgs-Boson Production and Decay Close to Thresholds.
Nucl. Phys. B591 (2000) 296 und DESY 00-079, hep-ph/0007002
- B.A. KNIEHL, A.A. PENIN
Ultrasoft Effects in Heavy Quarkonium Physics.
Nucl. Phys. B563 (2000) 200 und DESY 99-099, hep-ph/9907489
- Order $\alpha_s^3 \ln^2(1/\alpha_s)$ Corrections to Heavy-Quarkonium Creation and Annihilation.
Nucl. Phys. B577 (2000) 197 und DESY 99-173, hep-ph/9911414
- Order $\alpha^3 \ln(1/\alpha)$ Corrections to Positronium Decays.
Phys. Rev. Lett. 85 (2000) 1210, Erratum: 85 (2000) 3065 und DESY 00-068, hep-ph/0004267
- Order $\alpha^7 \ln(1/\alpha)$ Contribution to Positronium Hyperfine Splitting.
Phys. Rev. Lett. 85 (2000) 5094 und DESY 00-123, hep-ph/0010159
- K. KRATZERT
Singularity Structure of the Two Point Function of the Free Dirac Field on a Globally Hyperbolic Spacetime.
Ann. Phys. (Leipzig) 9 (2000) 475 und DESY 00-043, math-ph/0003015
- J.H. KUHN, A.A. PENIN, V.A. SMIRNOV
Summing up Subleading Sudakov Logarithms.
Eur. Phys. J. C17 (2000) 97 und DESY 00-008, hep-ph/9912503
- J. LEE
Next-to-Leading Order Calculation of a Fragmentation Function in a Light-Cone Gauge.
DESY 00-092, hep-ph/0009111
- M. LÜSCHER
Lattice Regularization of Chiral Gauge Theories to all Orders of Perturbation Theory.
JHEP 06 (2000) 028 und CERN-TH/2000-165
- M. LÜSCHER, L. LELLOUCH
Weak Transition Matrix Elements from Finite-Volume Correlation Functions.
CERN-TH/2000-091, hep-lat/0003023
- D.H. LYTH, L. COVI
Observational Constraints on the Spectrum of the Cosmological Curvature Perturbation.
Phys. Rev. D62 (2000) 103504 und DESY 00-029, astro-ph/0002397
- G. MACK
Universal Dynamics, a Unified Theory of Complex Systems. Emergence, Life and Death.
(Dedicated to the Memory of Harry Lehmann)
DESY 00-146, hep-th/0011074, zur Veröffentl. in Commun. Math. Phys.
- G. MACK, J. WÜRTHNER
Simulation of Complex Systems by Enzymatic Computation.
DESY 00-147, physics/0011020
- G. MOORTGAT-PICK, A. BARTL, H. FRAAS, W. MAJEROTTO
Impact of e^+ and e^- Beam Polarization on Chargino and Neutralino Production at a Linear Collider.
Eur. Phys. J. C18 (2000) 379 und DESY 00-098, hep-ph/0007222
- G. MOORTGAT-PICK, H. FRAAS
Implications of CP and CPT for Production and Decay of Majorana Fermions.
DESY 00-100, hep-ph/0012229
- G. PINTER
The Action Principle in Epstein Glaser Renormalization and Renormalization of the S-Matrix in ϕ^4 -Theory.
Ann. Phys. 10 (2001) 333 und DESY 99-168, hep-th/9911063
- The Hopf Algebra Structure of Connes and Kreimer in Epstein-Glaser Renormalization.
hep-th/0012057
- D. PRANGE
Energy Momentum Tensor in Local Causal Perturbation Theory.
DESY 00-176, zur Veröffentl. in Ann. Phys. (Leipzig)
- Operator Product Expansion in Local Causal Perturbation Theory.
DESY 00-177, zur Veröffentl. in Ann. Phys. (Leipzig)
- A. RINGWALD, F. SCHREMPP
Zooming-in on Instantons at HERA.
Phys. Lett. B503 (2001) 331 und DESY 00-172, hep-ph/0012241
- J.I. SKULLERUD, A.G. WILLIAMS
Quark Propagator in Landau Gauge.
Phys. Rev. D63 (2001) 54508 und DESY 00-099, ADP-00-40/T423, hep-lat/0007028
- H. SPIESBERGER, M. SPIRA, P.M. ZERWAS
The Standard Model: Physical Basis and Scattering Experiments.
DESY-T-00-01, MZ-TH-00-53, PSI-PR-00-17, hep-ph/0011255, zur Veröffentl. in: Scattering, P. Sabatier (Ed.), Academic Press, London/GB (2000)
- H. SPIESBERGER, P.M. ZERWAS
Gluon Fragmentation to Gluonium.
Phys. Lett. B481 (2000) 236 und DESY 00-04, hep-ph/0003148
- M. STEINHAUSER
MATAD: A Program Package for the Computation of MASSive TADpoles.
Comput. Phys. Commun. 134 (2001) 335 und DESY 00-124, hep-ph/0009029

Veröffentlichte Vorträge

- S. ABDULLIN et al.
The SUSY Working Group: Summary Report.
Proc. of the Workshop on Physics at TeV Colliders, Les Houches/F (1999) und hep-ph/0005142
- S. ABEL et al.
Report of the SUGRA Working Group.
Physics at Run II – Supersymmetry/Higgs Workshop, Fermilab Batavia/USA (1998), hep-ph/0003154

- M. ALBROW, M. CARENA, B.A. KNIEHL et al.
Report of the Tevatron Higgs Working Group.
Physics at Run II – Supersymmetry/Higgs Workshop, Fermilab
Batavia/USA (1998), FERMILAB-CONF-00-279-T,
hep-ph/0010338
- A. ALI
Photonic and Leptonic Rare B Decays.
Proc. of the 7th Int. Conf. on B-Physics at Hadron Machines, Sea
of Galilee/IL (2000) (Nucl. Instrum. Methods A) und
DESY 00-186, hep-ph/0101154
- A. ALI, D. LONDON
CP Violation and Quark Mixing.
Proc. of the 3rd Workshop on Physics and Detectors for DAPHNE,
Frascati/I (1999) und DESY 00-026, hep-ph/0002167
- M. BARTELS, G. MACK, G. PALMA
1-Loop Improved Lattice Action for the Nonlinear σ -Model.
Proc. of the 17th Int. Sympos. on Lattice Field Theory, Pisa/I
(1999) (Nucl. Phys. Proc. Suppl. 83 (2000) 881) und
hep-lat/9909149
- A. BARTL, H. EBERL, H. FRAAS, S. KRAML, W. MAJE-
ROTTO, G. MOORTGAT-PICK, W. POROD
Production of Charginos, Neutralinos, and Third Generation Sfer-
mions at an e^+e^- Linear Collider.
Proc. of the 4th Rencontres du Vietnam: Int. Conf. on Phys. at
Extreme Energies, Hanoi/VN (2000) und hep-ph/0010018
- E.L. BERGER, M. KLASSEN
Constraints on the Proton's Gluon Density from Lepton-Pair Pro-
duction.
Proc. of the 30th Int. Conf. on High Energy Physics (ICHEP2000),
Osaka/J (2000) und DESY 00-135, hep-ph/0009257
- E.L. BERGER, M. KLASSEN, T.M.P. TAIT
Predictions for Associated Production of Gauginos and Gluinos
at NLO in SUSY-QCD.
Proc. of the 35th Recontres de Moriond: QCD and Hadronic In-
teractions, Les Arcs/F (2000) und DESY 00-076, hep-ph/0005199
- Next-to-Leading Order SUSY-QCD Calculation of Associated Pro-
duction of Gauginos and Gluinos.
Proc. of the 30th Int. Conf. on High Energy Physics (ICHEP2000),
Osaka/J (2000) und DESY 00-134, hep-ph/0009256
- W. BERNREUTHER, A. BRANDENBURG, Z.G. SI
QCD Corrections to Top Quark Spin Correlations at Hadron Col-
liders.
Proc. of the 15th High-Energy Physics Int. Euroconf. in Quan-
tum Chromodynamics, Montpellier/F (2000) und
DESY 00-120, hep-ph/0008271
- W. BERNREUTHER, A. BRANDENBURG, P. UWER
Parity-Violating 3-Jet Observables for Massive Quarks to Order
 α_s^2 in e^+e^- Annihilation.
Proc. of the 15th High-Energy Physics Int. Euroconf. in Quantum
Chromodynamics, Montpellier/F (2000) und
DESY 00-129, Saclay/SPhT-T00/124, hep-ph/0009084
- R. BLAIR, G. GRINDHAMMER, M. KLASSEN, M. KRÄMER
Tests of QCD: Summary of DIS 2000.
Proc. of the 8th Int. Workshop on Deep Inelastic Scattering and
QCD (DIS2000), Liverpool/GB (2000) und hep-ph/0008154
- C. BLOECHINGER, H. FRAAS, T. MAYER, G. MOORTGAT-
PICK
Determination of the Gaugino Mass Parameter $M(1)$ in Different
Linear Collider Modes.
Proc. of the 5th Int. Linear Collider Workshop (LCWS 2000),
Batavia/USA (2000) und WUE-ITP-2001-003, hep-ph/0101176
- S. BLUDMAN
Quintessence Cosmology.
Proc. of the High Energy Astrophys. Meeting of the Am. Astron.
Soc., Honolulu/USA (2000)
Proc. of the Int. Conf. on Cosmic Evolution, Paris/F (2000)
- E. BRAATEN, J. LEE
The Calculations of the Polarization of Charmonium and Botto-
monium at the Tevatron.
Proc. of the Workshop on B Physics at the Tevatron – Run II and
beyond, Fermilab Batavia/USA (2000)
- W. BUCHMÜLLER
Baryogenesis and Lepton Number Violation.
Lectures, Proc. of the NATO Adv. Study Inst. on Recent Devel-
opments in Part. Phys. and Cosmol., Cascades/P (2000) und
DESY 00-194
- Matter-Antimatter Asymmetry of the Universe.
Proc. of the Quantum Theory Centenary, Berlin/D (2000)
- W. BUCHMÜLLER, S. FREDENHAGEN
Elements of Baryogenesis.
Proc. of the Int. School of Astrophysics D. Chalonge, Erice/I
(1999) und DESY 00-004, hep-ph/0001098
- A.J. BURAS, R. FLEISCHER
Constraints on γ and Strong Phases from $B \rightarrow \pi K$ Decays.
Proc. of the 30th Int. Conf. on High Energy Physics (ICHEP2000),
Osaka/J (2000) und DESY 00-122, hep-ph/0008298
- K.G. CHETYRKIN, M. STEINHAUSER
The Relation between the \overline{MS} and the On-Shell Quark Mass at
Three-Loop Order in QCD.
Proc. of the 5th Zeuthen Workshop on Loops and Legs in Quantum
Field Theory, Bastei/D (2000) (Nucl. Phys. B, Proc. Suppl. 89
(2000) 58)
- L. COVI
New Developments in Inflationary Models.
Proc. of the 2nd Int. Conf. on Physics beyond the Standard Model
„Beyond the Desert“, Ringberg Castle, Tegernsee/D (1999) und
DESY 99-172, hep-ph/9911401
- Inflation Models, Spectral Index and Observational Constraints.
Proc. of the 35th Recontres de Moriond: Energy Densities in the
Universe, Les Arcs/F (2000) und DESY 00-046, astro-ph/0003458
- Models of Inflation, Supersymmetry Breaking and Observational
Constraints.
Proc. of the 3rd Int. Conf. on Dark Matter in Astro and Particle
Physics (DARK 2000), Heidelberg/D (2000) und
DESY 00-184, hep-ph/0012245
- A. DJOUADI et al.
The Higgs Working Group: Summary Report.
Proc. of the Workshop on Physics at TeV Colliders, Les Houches/F
(1999) und PM-00-03, hep-ph/0002258

- A. DJOUADI, W. KILIAN, M. MÜHLEITNER, P.M. ZERWAS
The Reconstruction of Trilinear Higgs Couplings.
Proc. of 5th Workshop of the 2nd ECFA/DESY Study on Physics and Detectors for a Linear Electron-Positron Collider, Obernai/F (1999) und DESY 99-171, hep-ph/0001169
- F. FARCHIONI, A. FEO, T. GALLA, C. GEBERT, R. KIRCHNER, I. MONTVAY, G. MÜNSTER, A. VLADIKAS
SUSY Ward Identities in $N = 1$ SYM Theory on the Lattice.
Proc. of the 18th Int. Sympos. on Lattice Field Theory (LATTICE2000), Bangalore/IND (2000) und DESY 00-156, hep-lat/0010053
- On the 1-Loop Lattice Perturbation Theory of the Supersymmetric Ward Identities.
Proc. of the 18th Int. Sympos. on Lattice Field Theory (LATTICE2000), Bangalore/IND (2000) und DESY 00-159, hep-lat/0011030
- R. FLEISCHER
B Physics and CP Violation.
Lectures, Proc. of the NATO Adv. Study Inst. on Recent Developments in Part. Phys. and Cosmol., Cascais/P (2000) und DESY 00-170, hep-ph/0011323
- Theoretical Overview of CP Violation in B-Meson Decay.
Proc. of the Int. Workshop on Production, Properties and Interaction of Mesons, Cracow/PL (2000) (Acta Phys. Pol. B31 (2000) 2633) und DESY 00-087, hep-ph/0006132
- A. FREITAS, S. HEINEMEYER, W. HOLLIK, W. WALTER, G. WEIGLEIN
Calculation of Fermionic Two-Loop Contributions to Muon Decay.
Proc. of the 5th Zeuthen Workshop on Loops and Legs in Quantum Field Theory, Bastei/D (2000) (Nucl. Phys. B, Proc. Suppl. 89 (2000) 82) und DESY 00-101, hep-ph/0007129
- L.T. HANDOKO
Isospin Symmetry Breaking and Direct CP Violation in $B \rightarrow \rho \gamma$ within and beyond the Standard Model.
Proc. of the 4th Int. Conf. on Hyperons, Charm and Beauty Hadrons, Valencia/E (2000) (Nucl. Phys. B, Proc. Suppl.) und DESY 00-128, hep-ph/0009023
- S. HANDS, I. MONTVAY, M. OEVERS, L. SCORZATO, J. SKULLERUD
Numerical Study of Dense Adjoint 2-Color Matter.
Proc. of the 18th Int. Sympos. on Lattice Field Theory (LATTICE2000), Bangalore/IND (2000) und DESY 00-155, hep-lat/0010085
- S. HEINEMEYER, W. HOLLIK, G. WEIGLEIN
Higher-Order Results in the Higgs Sector of the MSSM.
Proc. of the Int. Europhys. Conf. on High Energy Physics (EPS-HEP'99), Tampere/FIN (1999) und DESY 99-183, hep-ph/9912263
- H. KIM
 χ_{cJ} ($J=0,1,2$) Production in B Decay: NRQCD Framework.
Proc. of the 17th Autumn School on QCD: Perturbative or Nonperturbative?, Lisbon/P (1999)
- M. KLASSEN
Sfermion Production at Photon Colliders.
Proc. of the Int. Workshop on High-Energy Photon Colliders, Hamburg/D und DESY 00-113, hep-ph/0008082
- J.H. KUHN, A.A. PENIN, V.A. SMIRNOV
Subleading Sudakov Logarithms in Electroweak Processes.
Proc. of the 5th Zeuthen Workshop on Loops and Legs in Quantum Field Theory, Bastei/D (2000) (Nucl. Phys. B, Proc. Suppl. 89 (2000) 94) und hep-ph/0005301
- R. LAFAYE, D.J. MILLER, M. MÜHLEITNER, S. MORETTI
Double Higgs Production at TeV Colliders in the Minimal Supersymmetric Standard Model.
Workshop on Physics at TeV Colliders, Les Houches/F (1999) und DESY 99-192, hep-ph/0002238
- J. LEE
Effective Theory for Heavy Quarkonium Production.
Proc. of the 14th Int. Sympos. on Spin Physics (SPIN2000), Osaka/J (2000)
- Charmonium Polarization at the Tevatron.
Next-to-Leading Order Calculation of the Color-Octet 3S_1 Gluon Fragmentation Function for Heavy Quarkonium.
Proc. of the Meeting of the APS Division of Particles and Fields, Columbus/USA (2000) (Int. J. Mod. Phys. A)
- Current Issues in Quarkonium Production.
Proc. of the 8th Int. Workshop on Deep Inelastic Scattering and QCD (DIS2000), Liverpool/GB (2000)
- Polarization of Prompt J/ψ at the Tevatron.
Proc. of the 5th Workshop on QCD, Villefranche-sur-Mer/F (2000)
- M. LÜSCHER
Von den Pionen zu den fundamentalen Parametern der Quantenchromodynamik: Ein Fall für die Gittertheorie.
DPG Frühjahrstagung Teilchenphysik, Dresden/D (2000), Phys. Bl. 56 (7/8) (2000) 65
- C.B. MARIOTTO, M.B. GAY DUCATI, G. INGELMAN
Hard and Soft QCD in Charmonium Production.
Proc. of the 7th Workshop on Hadron Physics, Caraguatuba/BR und hep-ph/0008200,
- D.J. MILLER
Can the Triple Higgs Self-Coupling be Measured at Future Colliders?
Proc. of the 5th Zeuthen Workshop on Loops and Legs in Quantum Field Theory, Bastei/D (2000) (Nucl. Phys. B, Proc. Suppl. 89 (2000))
- D.J. MILLER, S. MORETTI
The Triple Higgs Self-Coupling at Future e^+e^- Colliders: A Signal-to-Background Study for the Standard Model.
Proc. of the 4th Workshop of the 2nd Joint ECFA/DESY Study on Physics and Detectors for a Linear Electron-Positron Collider, Hamburg/D (1999) und hep-ph/0001194

- A. MONDRAGON, E. RODRIGUEZ-JAUREGUI
Quark Mixing Angles and CP-Violating Phase from Flavour Permutational Symmetry Breaking.
Proc. of the Int. Colloquium on Group Theoretical Methods in Physics, Dubna/RUS (2000)
- G. MOORTGAT-PICK
Does Simultaneous Beam Polarization of Electrons and Positrons Give Additional Information?
Proc. of the 5th Workshop of the 2nd ECFA-DESY Study on Physics and Detectors for a Linear Electron-Positron Collider, Obernai/F (1999)
- Status of Determining SUSY Parameters in Chargino/Neutralino Processes with Beam Polarization.
Proc. of the 6th Workshop of the 2nd ECFA-DESY Study on Physics and Detectors for a Linear Electron-Positron Collider, Padua/I (2000)
- Use of Polarisation in LC Physics – The Gain of e^+ Polarisation.
Proc. of the 5th Int. Linear Collider Workshop (LCWS 2000), Batavia/USA (2000)
- G. MOORTGAT-PICK, A. BARTL, H. FRAAS, W. MAJEROTTO
Exploiting Spin Correlations in Neutralino Production and Decay with Polarized e^- and e^+ Beams.
Proc. of the 5th Workshop of the 2nd ECFA-DESY Study on Physics and Detectors for a Linear Electron-Positron Collider, Obernai/F (1999) und DESY 00-002, hep-ph/0002253
- Beam Polarization and Spin Correlation Effects in Chargino Production and Decay.
Proc. of the 5th Workshop of the 2nd ECFA-DESY Study on Physics and Detectors for a Linear Electron-Positron Collider, Obernai/F (1999) und DESY 00-003 hep-ph/0004181
- A.A. PENIN
Top Quark Threshold Production in γ - γ Collisions: Current Theoretical Issues.
Proc. of the Int. Workshop on High Energy Photon Colliders, DESY Hamburg/D (2000) und hep-ph/0009347
- Heavy Quarkonium Physics beyond the Next-to-Next-to-Leading Order of NRQCD.
Proc. of the 15th High-Energy Physics Int. Euroconf. in Quantum Chromodynamics, Montpellier/F (2000) und DESY 00-140, hep-ph/0009324
- A. RINGWALD, F. SCHREMPF
Instantons in Deep-Inelastic Scattering.
Proc. of the 8th Int. Workshop on Deep Inelastic Scattering and QCD (DIS2000), Liverpool/GB (2000) und DESY 00-089, hep-ph/0006215
- J. SKULLERUD
Lattice Simulations of QCD-Like Theories at Non-Zero Density.
Proc. of the Workshop on Quark Matter in Astro- and Particle Physics, Rostock/D (2000) und DESY 00-175, hep-lat/0012012
- M. SPIRA
Gaugino Pair Production at Hadron Colliders.
Proc. of the 5th Zeuthen Workshop on Loops and Legs in Quantum Field Theory, Bastei/D (2000) (Nucl. Phys. B, Proc. Suppl. 89 (2000) 222)
- M. STEINHAUSER
The Three-Loop Conversion Formula between the \overline{MS} and the On-Shell Quark Mass in QCD.
Proc. of the 35th Recontres de Moriond: QCD and Hadronic Interactions, Les Arcs/F (2000)
- N. TIMNEANU, G. INGELMAN
Soft Remnant Interactions and Rapidity Gaps.
Proc. of the 8th Int. Workshop on Deep Inelastic Scattering and QCD (DIS2000), Liverpool/GB (2000) und hep-ph/0006227
- P.M. ZERWAS
Higgs Physics and Electroweak Symmetry Breaking.
Proc. of the Epiphany Conf. on Electron-Positron Colliders, Cracow/PL (1999) (Acta Phys. Pol. B30 (1999) 1871)
- Physics with an e^+e^- Linear Collider at High Luminosity.
14th Int. Workshop on High Energy Physics and Quantum Field Theory (QFTHEP'99), Moscow/RUS (1999) und DESY 99-178, hep-ph/0003221

Vorträge

- A. ALI
Supersymmetric Effects on Isospin Symmetry Breaking and Direct CP Violation in $B \rightarrow \rho\gamma$.
SUSY2K Conf., CERN Geneva/CH (2000)
- Rare B-Meson Decays and CP Violation in the Standard Model and Supersymmetry.
Lectures, Workshop on Particle Physics, Nat. Cent. Phys., Islamabad/PK (2000)
- Quark Mixing
DESY Theory Workshop, Hamburg/D (2000)
- Quark Mixing: Old and New Frontiers.
Kolloquiumsvortrag, Univ. Heidelberg/D (2000)
- CKM Matrix and Rare Decays
Lectures, Int. School, Prerow/Univ. Rostock/D (2000)
- O. BÄR
Witten's SU(2) Anomaly on the Lattice.
Washington Univ., St. Louis/USA (2000)
MIT Cambridge/USA (2000)
- Global Anomalies in Chiral Lattice Gauge Theories.
RWTH Aachen/D (2000)
NIC Jülich/D (2000)
Ringberg Workshop, Tegernsee/D (2000)
- S. BLUDMAN
Vacuum Energy: Cosmological Constant or Quintessence?
ESA-CERN, Geneva/CH (2000)
- Anthropic Principle.
Conf. Neutrino 2000, Sudbury/GB (2000)
- Dark Matter.
Neutrinos with Mass.
Aspen Cent. Phys., Aspen/USA (2000)

Vacuum Energy: If Not Now, Then When?
Gran Sasso Summer Inst., L'Aquila/I (2000)

Views from the Universe.
DESY Hamburg/D (2000)

Neutrino Masses and Oscillations.
EURESCO Conf., San Feliu de Guixols/E (2000)

Quintessence.
Univ. Halle/D (2000)

Quintessence Cosmology.
Hebrew Univ. Jerusalem/IL (2000)
Kyungji Nat. Univ./ROK (2000)
Chungnam Nat. Univ., Daejon/ROK (2000)

Neutrino Transport in Supernovae.
Hebrew Univ. Jerusalem/IL (2000)
Asia Pacific Cent. Theor. Phys., Seoul/ROK (2000)
Hangyang Univ., Seoul/ROK (2000)

Neutrino Masses & Oscillations.
Korea Phys. Soc., Pohang/ROK (2000)

Neutrino Physics.
Asia Pacific Cent. Theor. Phys., Seoul/ROK (2000)
Hangyang Univ., Seoul/ROK (2000)

Quintessence and the Anthropic Principle.
Korea Astron. Obs., Daejon/ROK (2000)

Neutrino Astrophysics.
Univ. of Helsinki/FIN (2000)

A. BRANDENBURG
Spin Effects in Top Quark Production and Decay.
CEN Saclay/F (2000)
Univ. Würzburg/D (2000)
DESY Hamburg/D (2000)

QCD Corrections to Spin Correlations of Top Quark Pairs.
Fermilab Batavia/USA (2000)

Gravitino Production in the Early Universe and Dark Matter.
RWTH Aachen/D (2000)

W. BUCHMÜLLER
Neutrino Masses and the Baryon Asymmetry.
PSI Villigen/CH (2000)
CERN/CH (2000)
Aachen/D (2000)

Neutrinos und der Ursprung der Materie.
Würzburg/D (2000)

Quantum Mechanics of Baryogenesis.
Castelvecchio/I (2000)

Neutrino Masses, Baryon Asymmetry and Dark Matter.
AEI, Golm/D (2000)

Grenzen und Erweiterungen des Standardmodells.
Maria Laach/D (2000)

CP Violation and Baryogenesis.
DESY Theory Workshop, Hamburg/D (2000)

L. COVI
Models of Inflation with a Running Mass.
Univ. Lancaster/GB (2000)

Inflazione cosmologica con correzioni radiative: teoria e limiti osservazionali.
Univ. Milano/I (2000)

Inflation and Supersymmetry Breaking.
COSMO 2000, Cheju Island/ROK (2000)

Inflationary Models and Global Fits for the Spectral Index of the Cosmological Curvature Perturbations.
KIAS, Seoul/ROK (2000)

Inflation and Supersymmetry Breaking.
DESY Theory Workshop, Hamburg/D (2000)

Inflationary Models, Spectral Index and Observational Bounds.
SISSA, Trieste/I (2000)
Gran Sasso Lab., L'Aquila/I (2000)

M. DÜTSCH
Does it Suffice to Know a QFT for Small Space Time Volumes?
DPG Frühjahrstagung Teilchenphysik, Dresden/D (2000)

Perturbative Quantization of Gauge Theories.
Univ. Kaiserslautern/D (2000)

A Local (Perturbative) Construction of Observables in Gauge Theories.
Int. Congr. on Math. Phys., London/GB (2000)

The Master Ward Identity – A Fundamental Symmetry in Perturbative Classical and Quantum Field Theory.
7th Workshop on Foundations and Constructive Aspects of QFT, Göttingen/D (2000)

F. FARCHIONI
Ginsparg-Wilson Fermions and Random Matrix Theory.
NIC, Jülich/D (2000)

R. FLEISCHER
CP-Verletzung im System der B-Mesonen.
Univ. München/D (2000)

CP Violation in B_s Decays.
DESY Theory Workshop, Hamburg/D (2000)

B-Physik und CP-Verletzung: Theoretische Grundlagen.
32. Herbstschule für Hochenergiephysik, Maria Laach/D (2000)

New Approaches to Explore CP Violation with B Decays.
TU München/D (2000)

CP Violation in the B System and Strategies to Extract CKM Phases.
Lectures, Univ. Blaise Pascal, Clermont-Ferrand/F (2000)

- A. FREITAS
Zwei-Schleifen-Rechnungen im elektroschwachen Standardmodell.
DPG Frühjahrstagung Teilchenphysik, Dresden/D (2000)
- A. FREITAS, S. HEINEMEYER, W. HOLLIK, W. WALTER, G. WEIGLEIN
Precise Prediction of the W Mass from Two-Loop Calculations.
DESY Theory Workshop, Hamburg/D (2000)
- S. GIESEKE
The $(\gamma^* \rightarrow q\bar{q})$ -Reggeon Vertex in NLO QCD.
QCDNET2000, Paris/F (2000)
- γ^* Impact Factors for NLO BFKL.
Res. Workshop on Calc. for Modern and Future Colliders,
Dubna/RUS (2000)
- M. KLASSEN
Associated Production of Gauginos and Gluinos at Hadron Colliders.
Sympos. on Phenomenology for the Nu Century (PHENO2000),
Madison/USA (2000)
Theor. Inst. on Supersymmetry and Higgs, ANL Argonne/USA
(2000)
CERN Geneva/CH (2000)
- DIS 2000: Tests of QCD.
Kolloquiumsvortrag, DESY Hamburg/D (2000)
- Sfermion Production in $\gamma\gamma$ Collisions.
SUSY 2000, CERN Geneva/CH (2000)
- Determination of $g(x, \mu_f^2)$ and $\Delta g(x, \mu_f^2)$ in Low Mass Lepton
Pair Production.
NET2000, Paris/F (2000)
- B.A. KNIEHL
Aktuelle Probleme in der Theoretischen Elementarteilchenphysik.
Univ. Hamburg/D (1999)
- Das Higgs-Boson der Teilchenphysik: Massenschranken und Such-
strategien.
Univ. Hamburg/D (1999)
Univ. Wien/A (1999)
- Recent Results in Perturbative QCD.
Univ. of the Philippines, Diliman/RP (2000)
Univ. Würzburg/D (2000)
- Inclusive Hadron Production.
Univ. of the Philippines, Diliman/RP (2000)
- Prospects of Measuring General Higgs Couplings at e^+e^- Linear
Colliders.
Univ. Padova/I (2000)
- Light-Hadron Production at Next-to-Leading Order in QCD.
Univ. New York/USA (2000)
Univ. Hamburg/D (2000)
- J. LEE
Next-to-Leading Order Calculation of a Fragmentation in a Light-
Cone Gauge.
Conf. of the Korean Phys. Soc., Pohang/ROK (2000)
- Quarkonium Polarization at the Tevatron.
Sympos. on Phenom. for the Nu Century (PHENO2000), Madi-
son/USA (2000)
- M. LÜSCHER
Chiral Lattice Gauge Theories.
UK Theory Meeting at RAL, Oxford/GB (1999)
- Kaon Decay Rates from Finite-Volume Matrix Elements.
Workshop on Lattice Field Theory, Benasque/E (2000)
- Weak Transition Matrix Elements from Finite-Volume Correlation
Functions.
Univ. Milano/I (2000)
- Chiral Gauge Theories Revisited.
Lectures, School of Subnuclear Physics, Erice/I (2000)
- G. MACK
Physik aus dem Blickwinkel einer Theorie allgemeiner komplexer
Systeme.
Ringvorlesung, Univ. Hamburg/D (2000)
- Menschliche Bedürfnisse als Kräfte in der Dynamik in der mensch-
lichen Gesellschaft.
Kolloquiumsvortrag, Hamburg/D (1999)
- Mathematik des Lebendigen.
Ringvorlesung, Hamburg/D (1999)
- The Effective Action for the $O(\mathcal{N} + 1)$ -Symmetric 2d Nonlinear
 σ -Model.
Bern/CH (1999)
- M. MEIER-SCHELLERSHEIM
Mechanics of Cellular Behavior: Simulations and Data Manage-
ment.
Novatis Workshop on In-Silico Biology, Basel/CH (2000)
- I. MONTVAY
Dynamical Quarks in QCD Simulations.
TU München/D (2000)
- Supersymmetric Yang-Mills Theory and Dynamical Fermions.
CCP, Univ. of Tsukuba/J (2000)
Tokyo Inst. Technol., Tokyo/J (2000)
- Dynamical Fermions in QCD and in other Similar Theories.
Univ. Hiroshima/J (2000)
- Phases of Supersymmetric Theories.
TMR Meeting, Univ. Glasgow /GB (2000)
- Lattice Supersymmetry.
DESY Hamburg/D (2000)
Univ. of Swansea/GB (2000)
- Lattice Supersymmetry and Dynamical Fermions.
Johns Hopkins Workshop, Budapest/H (2000)
- G. MOORTGAT-PICK
Spin Correlations and Polarization Effects in the MSSM.
CERN Geneva/CH (2000)
- Spin Dependent Observables in Production and Decay of Charginos
and Neutralinos.
SUSY2K Conf., CERN Geneva/CH (2000)

Spinkorrelationen in Produktion und Zerfall von Majorana- und Dirac-Fermionen.

DPG Frühjahrstagung Teilchenphysik, Dresden/D (2000)

Spin Effects in Processes with SUSY Dirac- and Majorana Fermions.

DESY Theory Workshop, Hamburg/D (2000)

Impact of Spin Correlations on Physics at Present and Future Colliders.

RAL, Oxford/GB (2000)

Implications of CP and CPT in Production and Decay of Majorana Fermions.

Ec. Polytech., Palaiseau-Paris/F (2000)

M.M. MÜHLEITNER

Higgs Self-Couplings at Future Colliders.

Rencontre de Physique des Particules, LPMT Montpellier/F (2000)

The Production of MSSM Higgs Bosons in $\gamma\gamma$ Collisions.

Int. Workshop on High Energy Photon Colliders, DESY Hamburg/D (2000)

The Production of MSSM Higgs Bosons in $\gamma\gamma$ Collisions.

DESY Theory Workshop, Hamburg/D (2000)

M. OEVERS, L. SCORZATO, J. SKULLERUD

Numerical Study of Dense Adjoint 2-Colour Matter.

Workshop on Phase Transitions in Hot and Dense Matter, Glasgow/GB (2000)

A. RINGWALD

On Functional Integral Representations of S-Matrix Elements.

12th Workshop on Beyond the Standard Model, Bad Honnef/D (2000)

Theory and Phenomenology of Instantons at HERA.

2 Vorlesungen, Graduiertenkolleg Elementarteilchenphysik der Humboldt-Univ. zu Berlin, Zeuthen/D (2000)

Sensitivity of a km^3 Neutrino Telescope to Exotic Phenomena in UHE νN Scattering.

Gesprächskr. Kubik-km Neutrinoobservatorien, Zeuthen/D (2000)

F. SCHREMPF

Dual QCD and Instantons.

12th Workshop on Beyond the Standard Model, Bad Honnef/D (2000)

Instantons in Deep-Inelastic Scattering.

8th Int. Workshop on Deep Inelastic Scattering and QCD (DIS2000), Liverpool/GB (2000)

Auf der Spur von Instantonen – grundlegenden Tunnelprozessen in der Teilchenphysik.

Univ. Mainz/D (2000)

Zooming-in on Instantons at HERA.

Univ. Warsaw/PL (2000)

J. SKULLERUD

The Gluon and Quark Propagators in Momentum Space.

Humboldt Univ. Berlin/D (1999)

QCD-like Theories at Finite Density from the Lattice.

Univ. Edinburgh/GB (2000)

CSSM, Univ. Adelaide/AUS (2000)

M. SPIRA

SUSY Particle Production at Hadron Colliders.

PSI Villigen/CH (2000)

Higgs Radiation off Quarks in Supersymmetric Models at e^+e^- Colliders.

Workshop RADCOR 2K, Carmel/USA (2000)

Search for Higgs Bosons at TESLA.

DESY Hamburg/D (2000)

SUSY-QCD Corrections to Higgs Boson Production at Hadron Colliders.

Workshop SUSY2K, CERN/CH (2000)

Search for Higgs and SUSY Particles at the Upgraded Tevatron.

NIKHEF Amsterdam/NL (1999)

Higgs Physik am LHC: Theoretische Basis und phenomenologische Aspekte.

Univ. Bonn/D (1999)

P.M. ZERWAS

Theorie der elektroschwachen Wechselwirkungen.

Kolloquiumsvortrag, Univ. Regensburg/D (1999)

Physics with Hadron and Lepton Colliders.

Canadian Winter School, Lake Louise/CAN (2000)

Physics with e^+e^- Linear Colliders.

Kolloquiumsvorträge, Univ. Warsaw/PL (2000) und

State Univ. of New York, Buffalo/USA (2000)

Univ. Durham/GB (2000)

Univ. Prague/CZ (2000)

Univ. of Rochester, New York/USA

Phenomenology of the Higgs Mechanism.

Higgs-Fest, Univ. Edinburgh/GB (2000)

Supersymmetry at TeV e^+e^- Linear Colliders.

Rencontre GDR SUSY, Ec. Polytech., Palaiseau/Paris/F (2000)

Physik des Standard Modells.

Herbstschule für Theor. Physik, Halle/D (2000)

Multi-TeV Lepton Colliders: The Physics Potential.

ECFA-HEP Study Group, DESY Hamburg/D (2000)

Testing Electroweak Symmetry Breaking at e^+e^- Colliders.

Univ. Warsaw/PL (2000)

Dissertationen

A.A. BARRIENTOS BENDEZU

Higgs-Erzeugung am Großen Hadronbeschleuniger LHC im Minimalen Supersymmetrischen Standardmodell.

Univ. Hamburg/D (2000)

O. BÄR

Global Anomalies in Chiral Lattice Gauge Theories.

Univ. Hamburg/D (2000)

DESY-THESIS-2000-022

M. BARTELS

Analytic Calculation of a 1-Loop Effective Action for the $O(\mathcal{N} + 1)$ -Symmetric 2-Dimensional σ -Model.
Univ. Hamburg/D (2000)

F. BOAS

Gauge Theories in Local Causal Perturbation Theory.
Univ. Hamburg/D (1999)
DESY-THESIS-1999-032

M. BOLZ

Thermal Production of Gravitinos.
Univ. Hamburg/D (2000)
DESY-THESIS-2000-013

K.P.O. DIENER

Quanteneffekte von Majorana-Neutrinos in Präzisionsobservablen.
Univ. Hamburg/D (2000)

R. KIRCHNER

Ward Identities and Mass Spectrum of N=1 Super Yang-Mills Theory on the Lattice.
Univ. Hamburg/D (2000)

M.M. MÜHLEITNER

Higgs Particles in the Standard Model and Supersymmetric Theories.
Univ. Hamburg/D (2000)
DESY-THESIS-2000-033, hep-ph/0008127

C.P. PALISOC

Threshold Singularities in Higgs Boson Production and Decay.
Univ. of the Philippines, Diliman/RP (2000)

G. PINTER

Epstein-Glaser Renormalization: Finite Renormalizations, the S-Matrix of ϕ^4 Theory and the Action Principle.
Univ. Hamburg/D (2000)
DESY-THESIS-2000-047

D. PRANGE

Energy Momentum Tensor and Operator Product Expansion in Local Causal Perturbation Theory.
Univ. Hamburg/D (2000)
DESY-THESIS 2000-037, hep-th/0009124

J. WÜRTHNER

Enzymatic Simulation of Complex Processes.
Univ. Hamburg/D (2000)
DESY-THESIS-2000-018

Diplomarbeiten

M. DE RIESE

Polar Decomposition in General Complex Systems and Classification of Gauge-, Higgs- and Vierbeinfelds with it.
Univ. Hamburg/D (2000)

J. DOHRMANN

Higgsmechanismus in Eichtheorien, Axigluonen.
Univ. Hamburg/D (1999)

C. LEHMANN

Konvergenzeigenschaften von Mehrgitterverfahren für ungeordnete Systeme.
Univ. Hamburg/D (2000)

C. NEFF

Wickpolynome des freien Skalarfelds.
Univ. Hamburg/D (2000)

K. PETERS

Eine Abschätzung der Higher-Twist-Beiträge im kleinen x_B Bereich mit dem Saturationsmodell.
Univ. Hamburg/D (2000)

T. PRÜSTEL

Effektive Feldtheorien in Reeller Zeit.
Univ. Hamburg/D (2000)

D. RATHJE

Die Theorie kategorischer Systeme.
Univ. Hamburg/D (2000)

M. SCHRATTENHOLZER

Logik Lokal.
Univ. Hamburg/D (1999)

HASYLAB

Veröffentlichungen

B. ADAMCZYK, O. BOESE, N. WEIHER, S.L.M. SCHRÖDER, E. KEMNITZ
Fluorine-Modified Chromium Oxide and its Impact on Heterogeneously Catalyzed Fluorination Reactions.
J. Fluorine Chem. 101 (2000) 239

B. ADAMS

Proposal for a Femtosecond X-Ray Detector.
Zur Veröffentl. in Nucl. Instrum. Methods A

B. ADAMS, P. FERNANDEZ, W.K. LEE, G. MATERLIK, D.M. MILLS, D.V. NOVIKOV

Parametric Down Conversion of X-Ray Photons.
J. Synchrotron Rad. 7 (2000) 81

B. ADAMS, Y. NISHINO, G. MATERLIK

A Novel Experimental Technique for Atomic X-Ray Holography.
J. Synchrotron Rad. 7 (2000) 274

R. ADELUNG, J. BRANDT, L. KIPP, M. SKIBOWSKI

Reconfiguration of Charge Density Waves by Surface Nanostructures.
Zur Veröffentl. in Phys. Rev. B

R. ADELUNG, J. BRANDT, K. ROSSNAGEL, O. SEIFARTH, L. KIPP, M. SKIBOWSKI, C. RAMIRES, T. STRASSER, W. SCHATTKER

Tuning Dimensionality by Nanowire Adsorption on Layered Materials.
Zur Veröffentl. in Phys. Rev. Lett.

- R. ADELUNG, J. BRANDT, L. TARCAK, L. KIPP, M. SKI-BOWSKI
Charge Density Waves Affected by Rb Nanowire Network Formation on 1T-TaS₂.
Appl. Surf. Sci. 162-163 (2000) 666
- N. ALONSO-VANTE, P. BORTHEN, M. FIEBER-ERDMANN, H.H. STREHLOW, E. HOLUB-KRAPPE
An in situ Grazing Incidence X-Ray Absorption Study of Ultra Thin Ru_xSe_y Cluster-Like Electrocatalyst Layers.
Electrochimica Acta 45 (2000) 4227
- M.YA. AMUSIA, A.S. BALTENKOV, U. BECKER
Strong Oscillations in the Photoionization of 5s-Electrons in @C60 Endohedral Atoms.
Phys. Rev. A62 (2000) 012701
- J. ANDRIESSEN, O.T. ANTONYAK, P. DORENBOS, P.A. RODNYI, G.B. STRYGANYUK, C.W.E. VAN EIJK, A.S. VOLOSHINOVSKI
Experimental and Theoretical Study of the Spectroscopic Properties of Ce³⁺ Doped LaCl₃ Single Crystals.
Opt. Commun. 178 (2000) 355
- J. ANDRUSZKOW et al.
First Observation of Self-Amplified Spontaneous Emission in a Free-Electron Laser at 109 nm Wavelength.
Phys. Rev. Lett. 85 (2000) 3825 und
DESY-00-066, physics/0006010
- A. ANGELOVA, R. IONOV, M.H.J. KOCH, G. RAPP
Interaction of the Peptide Antibiotic Alamethicin with Bilayer and Non-Bilayer Forming Lipids: Influence of Increasing Alamethicin Concentration on the Lipids Supramolecular Structures.
Arch. Biochem. Biophys. 378 (2000) 93
- J.J. APPERLOO, R.A.J. JANSSEN, M.M. NIELSEN, K. BECHGAARD
Doping in Solution as an Order Inducing Tool prior to Film Formation of Regio-Irregular Polyalkylthiophenes.
Adv. Mater. 12 (2000) 1594
- T. ARLT, M. BERMEJO, M.A. BLANCO, L. GERWARD, J.Z. JIANG, J. STAUN OLSEN, J.M. RECIO
High-Pressure Polymorphs of Anatase TiO₂.
Phys. Rev. B61 (2000) 14414
- M. ASPELMEYER, U. KLEMRADT, W. HARTNER, H. BACHHOFER, G. SCHINDLER
High-Resolution X-Ray Reflectivity Study of Thin Layered Electrodes for Integrated Ferroelectric Devices.
Zur Veröffentlich. in J. Phys. D: Appl. Phys.
- J. AUGUSTIN, T. BÖKER, W. FRENTRUP, H. DWELK, C. JANOWITZ, V. EYERT, R. MANZKE
Electronic Band Structure of the Layered Compound Td-WTe₂.
Phys. Rev. B62 (2000) 10812
- R. BACEWICZ, A. WOLSKA, P. SAINCTAVIT, K. LAWNICZAK-JABLONSKA
X-Ray Absorption Near-Edge Structure of CuInSe₂ Crystals.
J. Phys.: Condens. Matter 12 (2000) 7371
- A. BADER, D. ALBERT, W. FASCHINGER
Detecting Extremely Asymmetric Reflections: A Potential in situ Characterization Method.
Zur Veröffentlich. in J. Phys. D: Appl. Phys.
- C. BAEHTZ, H. EHRENBERG, H. FUESS
Tetrathiavulfalene and 7,7,8,8,-Tetracyanoquinodimethane in Zeolite Faujasite.
Zur Veröffentlich. in Phys. Chem. Chem. Phys.
- G. BALDINI, S. BERETTA, G. CHIRICO, H. FRANZ, E. MACCIONI, P. MARIANI, F. SPINOZZI
Salt-Induced Association of β-Lactoglobulin by Light and X-Ray Scattering.
Macromolecules 32 (2000) 6128
- F.J. BALTA-CALLEJA, M. CRUZ GARCIA, D.R. RUEDA, S. PICCAROLO
Density Fluctuations in Poly(ethylene terephthalate) Quenched from the Melt at High Cooling Rates: X-Ray Scattering and Microhardness Study.
Polymer 41 (2000) 4143
- K. BECHGAARD, M.M. NIELSEN, F.C. KREBS
(TMTSF)₂X Materials and Structural Implications for Low-Dimensional Polymeric and Disordered Molecular Semiconductors.
J. Phys. IV-10 (2000) 3
- U. BECKER
Angle-Resolved Electron-Electron and Electron-Ion Coincidence Spectroscopy – New Tools Photoionization Studies.
Zur Veröffentlich. in J. Electr. Spectrosc. Rel. Phenom.
- U. BECKER, O. GESSNER, A. RÜDEL
Photoelectron Scattering in Molecules and Fullerenes.
J. Electr. Spectrosc. Rel. Phenom. 108 (2000) 189
- W. BECKER, J. MARXEN, M. EPPLE, O. REELSEN
Influence of Microgravity on Crystal Formation in Biomineralisation.
Zur Veröffentlich. in J. Appl. Physiolog.
- P. BEHRENS
XANES, EXAFS and Related Techniques.
In: Molecular Sieves – Science and Technology, Vol. 4, H.G. Karge, J. Weitkamp (Eds.), Springer Verl. Heidelberg/D (2000)
- C.J. BENMORE, B. TOMBERLI, P.A. EGELSTATT, J. NEUEFEIND
Quantum Effects in the Structure of Liquid Benzene at Room Temperature.
Zur Veröffentlich. in Molec. Phys.
- W. BIETSCH, J. BAO, J. LÜDECKE, S. VAN SMAALEN
Jahn-Teller Distortion and Merohedral Disorder of C60 – as Observed by ESR.
Chem. Phys. Lett. 324 (2000) 37
- D.H. BILDERBACK, A. FREUND, G.S. KNAPP, D.M. MILLS
The Historical Development of Cryogenically Cooled Monochromators for Third-Generation Synchrotron Radiation Sources.
J. Synchrotron Rad. 7 (2000) 53

- U. BISMAYER
Hard Mode Spectroscopy of Phase Transitions.
In: Reviews in Mineralogy and Geochemistry, Vol. 39, P.H. Ribbe (Ed.) (2000)
- U. BISMAYER, D. MATHES, M. AROYO, D. BOSBACH, A. PUTNIS, G. VAN TENDELOO, B. GÜTTLER
Ferroelastic Domains in Lead Phosphate-Arsenate: An AFM, X-Ray Diffraction, TEM and Raman Study.
Phase Transitions 71 (2000) 243
- U. BISMAYER, D. MATHES, D. BOSBACH, A. PUTNIS, G. VAN TENDELOO, J. NOVAK, E.K.H. SALJE
Ferroelastic Orientation States and Domain Walls in Lead Phosphate-Type Crystals.
Mineralog. Mag. 64 (2000) 233
- S. BOCHAROV, T. KIRCHNER, G. DRÄGER, O. SIPR, A. SIMUNEK
Dipole and Quadrupole Contributions to Polarized Cu K X-Ray Absorption Near-Edge Structure Spectra of CuO.
Zur Veröffentlich. in Phys. Rev. B,
- T. BÖKER, R. SEVERIN, A. MÜLLER, C. JANOWITZ, R. MANZKE, D. VOSS, P. KRÜGER, A. MAZUR, J. POLLMANN
Band Structures of MoS₂, MoSe₂, and α -MoTe₂: Angular-Resolved Photoelectron Spectroscopy in the Constant-Final-State Mode and ab initio Calculations.
Zur Veröffentlich. in Phys. Rev. B
- U. BONSE, F. BECKMANN
Multiple Beam X-Ray Interferometry for Phase-Contrast Microtomography.
Zur Veröffentlich. in J. Synchrotron Rad.
- M. BOTEV, S. PICCAROLO, V. BRUCATO, M. GAHLEITNER
Dimensional Stability of Isotactic Polypropylenes Studied by Time-Resolved Density Measurement. Estimate of iPP Thermal Expansion Coefficient.
Zur Veröffentlich. in Macromol. Chem. & Phys.
- M. BOTEV, J. RAULT, S. PICCAROLO
Stability of the „Smectic“ Phase in Quenched Isotactic Polypropylene.
Zur Veröffentlich. in J. Macromol. Sci.
- D.T. BOWRON, M.H. KRISCH, A.C. BARNES, J.L. FINNEY, A. KAPROLAT, M. LORENTZEN
X-Ray-Raman Scattering from the Oxygen K Edge in Liquid and Solid H₂O.
Phys. Rev. B62 (2000) R9223
- J. BRANDT, J. KANZOW, K. ROSSNAGEL, L. KIPP, M. SKIBOWSKI, E. KRASOWSKII, W. SCHATTKER, M. TRAVING, J. STETTNER, W. PRESS, C. DIEKER, W. JAEGER
Band Structure of the Misfit Compound (PbS)NbS₂ Compared to NbSe₂: Experiment and Theory.
Zur Veröffentlich. in J. Electr. Spectrosc. Relat. Phenom.
- B. BRENNER, T. MATTEI, A. RADOCAJ, T. KRAFT
Kinetics and Structural Properties of Cross-Bridges during Isotonic Steady State Contraction.
Biophys. J. 78/1 (2000) 134A
- B. BRENNER, R. STEHLE, T. MATTEI, A. RADOCAJ, T. KRAFT
Cross-Bridge Attachment during Isotonic Steady State Contraction: Kinetic and Structural Studies.
Pflüg. Arch. 439 (2000) R433
- F. BRINGEZU, G. RAPP, B. DOBNER, P. NUHN, G. BREZE-SINSKI
Structures and Phase Transitions in Aqueous Dispersions of Branched-Chain Glycerophosphoethanolamines.
Phys. Chem. Chem. Phys. 2 (2000) 4509
- V. BRUCATO, V. LA CARRUBBA, S. PICCAROLO, G. TITOMANLIO
Polymer Solidification under Pressure and High Cooling Rates.
Intern. Polym. Processing 15 (2000) 103
- B. BÜHN, W. DÖRR, C.M. BRAUNS
Petrology and Age of the Otjisazu Carbonatite Complex, Namibia: Implications for the Pre- and Synorogenic Damaran Evolution.
J. Afr. Earth Sci. 31 (2000) 3
- H.J. BUNGE, H. KLEIN, J.R. SCHNEIDER, T. TSCHENTSCHER, L. WCISLAK
Hard X-Ray Texture Measurements with an On-line Image Plate.
Zur Veröffentlich. in Nucl. Instrum. Methods A
- E. BURKEL
Phonon Spectroscopy by Inelastic X-Ray Scattering.
Rep. Prog. Phys. 63 (2000) 171
- I. CAMPOY, M.A. GÓMEZ, C. MARCO
Small Angle X-Ray Diffraction Study of Blends of Nylon 6 and a Liquid Crystal Copolyester.
Polymer 41 (2000) 2295
- L.X. CAO, E. SOZONTOV, J. ZEGENHAGEN
The Effect of Epitaxial Strain on RBA₂Cu₃O_{7- δ} .
phys. stat. sol. (a) 181 (2000) 387
- R. CATTANEO, R. PRINS
QEXAFS Study of the Sulfidation of NiMo/Al₂O₃ Hydrotreating Catalysts.
Zur Veröffentlich. in J. Synchrotron Rad.
- R. CATTANEO, F. ROTA, R. PRINS
An XAFS Study of the Different Influence of Chelating Ligands on the HDN and HDS of γ -Al₂O₃-Supported NiMo Catalysts.
Zur Veröffentlich. in J. Catalysis
- R. CATTANEO, T. WEBER, T. SHIDO, R. PRINS
A Quick EXAFS Study of the Sulfidation of NiMo/SiO₂ Hydrotreating Catalysts Prepared with Chelating Ligands.
J. Catalysis 191 (2000) 225
- M. CHALL, B. WINKLER, P. BLAHA, K. SCHWARZ
Structure and Properties of NaCl and the Suzuki Phase Na₆CdCl₈.
J. Phys. Chem. B104 (2000) 1191
- T. CHATTERJI, G.J. MCINTYRE, W. CALIEBE, R. SURYANARAYANAN, G. DHALENNE, A. REVCOLEVSCHI
Reentrant Behavior of the Charge and Orbital Ordering and Antiferromagnetism in LaSr₂Mn₂O₇.
Phys. Rev. B61 (2000) 570

- B.S. CLAUSEN, J.K. NØRSKOV
Asymmetric Pair Distribution Functions in Catalysis.
Topics in Catalysis 10 (2000) 221
- C. COLLETTI, S. PICCAROLO, A. VALENZA
Solidification Behaviour of PA6/iPP Blends at High Cooling Rates.
Intern. Polym. Processing 15 (2000) 46
- U. DAHMEN-LEVISON, G. BREZESINSKI
Methyl-Branched Glycerophosphocholines: Monolayer Disorder and its Effect on the Rate of the Phospholipase A2 Catalyzed Hydrolysis.
Phys. Chem. Chem. Phys. 2 (2000) 4605
- U. DAHMEN-LEVISON, G. BREZESINSKI, H. MÖHWALD
Monolayer Structures of Triple-Chain Phosphatidylcholines as Substrates for Phospholipases.
Colloids & Surfaces A171 (2000) 97
- A. DANIEL, V. HOLY, Y. ZHUANG, T. ROCH, J. GRENZER, Z. BOCHNICEK, G. BAUER
GID Study of Strains in Si due to Patterned SiO₂.
Zur Veröffentlich. in J. Phys. D: Appl. Phys.
- A. DANIEL, S. RENNON, J.P. REITHMAIER, A. FORCHEL, J. GRENZER, N. DAROWSKI, U. PIETSCH
Grazing-Incidence Diffraction Strain Analysis of a Laterally-Modulated Multi-Quantum Well System Produced by Focused-Ion-Beam Implantation.
Zur Veröffentlich. in Appl. Phys. Lett.
- A.A. DARHUBER, G. BAUER, P. SCHITTENHELM, G. AB-STREITER
Structural Characterization of Self-Organized Ge Islands.
In: Self-Organized Quantum Dots, T.P. Pearsall (Ed.), Gordon & Breach (2000)
- J. DAVASAAMBUU, A. DANIEL, J. STAHN, U. PIETSCH
Harmonic and Anharmonic Thermal Vibrations in Cubic ZnSe.
Zur Veröffentlich. in Z. Krist.
- V.F. DEGTYAREVA, O. DEGTYAREVA, W.B. HOLZAPFEL, K. TAKEMURA
Phase Transitions of a Simple Hexagonal In_{0.2}Sn_{0.8} Alloy under High Pressure.
Phys. Rev. B61 (2000) 5823
- B.N. DEV, A.K. DAS, S. DEV, D.W. SCHUBERT, M. STAMM, G. MATERLIK
Resonance Enhancement of X-Rays in Layered Materials: Application to Surface Enrichment in Polymer Blends.
Phys. Rev. B61 (2000) 8462
- T. DILL, H. JOB, W.R. DIX, R. VENTURA, W. KUPPER, C.W. HAMM, T. MEINERTZ
Intravenöse Koronarangiographie mit Synchrotronstrahlung.
Z. Kardiol. 89 (2000) 1/27
- G. DÖRING, K. HÖPPNER, A. KAPROLAT, W. SCHÜLKE
3D Reconstruction of Electron Momentum Densities and Occupation Number Densities of Cu and CuAl Alloys.
In: Understanding Chemical Reactivity, Vol. 21, P.G. Mezey et al. (Eds.), Kluwer Academic Publ., Dordrecht/NL (2000)
- A.K. DOERR, M. TOLAN, J.P. SCHLOMKA, W. PRESS
Evidence for Density Anomalies of Liquids at the Solid/Liquid Interface.
Zur Veröffentlich. in Europhys. Lett.
- W. DROZDOWSKI, A.J. WOJTOWICZ,
Radiative Recombination in BaF₂:Pr.
J. Alloys & Compounds 300-301 (2000) 261
- W. DRUBE, H. SCHULTE-SCHREPPING, R. TREUSCH
Automatic Alignment of the HASYLAB BW2 Beamline.
Zur Veröffentlich. in Nucl. Instrum. Methods A
- M. DUBIEL, S. BRUNSCH, L. TRÖGER
Characterization of Nanoscale Silver Particles in Glasses by Temperature-Dependent EXAFS Spectroscopy.
J. Phys.: Condens. Matter 12 (2000) 4775
- L.C. DUDA, J. NORDGREN, G. DRÄGER, S. BOCHAROV, T. KIRCHNER
Polarized Resonant Inelastic X-Ray Scattering from Single-Crystal Transition Metal Oxides.
J. Electr. Spectr. Relat. Phenom. 110-111 (2000) 275
- C. DÜRR, S. LEGNER, R. RAYN, S.V. BORISENKO, Z. HU, A.THERESIAK, M. KNUPFER, M.S. GOLDEN, J. FINK, F. RONNING, Z.X. SHEN, H. EISAKI, S. UCHIDA, R.L. JOHNSON, K. ROSSNAGEL, L. KIPP, G. REICHARDT
Angle Resolved Photoemission Spectroscopy of Sr₂CuO₂Cl₂.
Zur Veröffentlich. in Phys. Rev. B
- S. EBBINGHAUS, Z. HU, A. RELER
Determination of the Oxidation States of Cu and Ru in the System La_{2-x}Sr_xCu_{1-y}Ru_yO_{4-δ} by XANES Measurements.
Zur Veröffentlich. in J. Solid State Chem.
- A. EDELMANN, W. SCHIESSER, H. VINE, A. JENTYS
Oxidation State of Bimetallic PdCu Catalysts during Liquid Phase Nitrate Reduction.
Catal. Lett. 69 (2000) 11
- R. EDGAR, J.Y. HUANG, R. POPOVITZ-BIRO, K. KJAER, W.G. BOUWMAN, P.B. HOWES, J. ALS-NIELSEN, Y.R. SHEN, M. LAHAV, L. LEISEROWITZ
Absolute Orientation of Molecules of Amphiphilic Alcohols in Crystalline Monolayers at the Air-Water Interface.
J. Phys. Chem. B104 (2000) 6843
- T. EGUCHI, K. ARAKAWA, K. KAKINUMA, G. RAPP, S. GOSH, Y. NAKATANI, G. OURISSON
Giant Vesicles from 72-Membered Macrocyclic Archaeal Phospholipid Analogues: Initiation of Vesicle Formation by Molecular Recognition between Membrane Components.
Chem. Eur. J. 6 (2000) 3351
- H. EHRENBERG, M. KNAPP, T. HARTMANN, H. FUESS, T. WROBLEWSKI
Resonant X-Ray Diffraction Using High-Resolution Image-Plate Data.
J. Appl. Cryst. 33 (2000) 953

- H. EHRENBERG, G. WILTSCHKE, R. THEISSMANN, H. WEITZEL, H. FUESS, F. TROUW
The Magnetic Structure of FeNbO₄.
J. Magn. Magn. Mater. 218 (2000) 261
- S. EIDEN-ASSMANN, A.M. SCHNEIDER, P. BEHRENS, M. WIEBCKE, G. ENGELHARDT, J. FELSCHE
Lead Hydro Sodalite [Pb(OH)(H₂O)₃]₂ [Al₃Si₃O₁₂]₂: Synthesis and Structure Determination by Combining X-Ray Rietveld Refinement, FT-IR and XANES Spectroscopy.
Chem. Eur. J. 6 (2000) 292
- L. ENGELKE, M. SCHAEFER, W. BENSCH
Apparatus to Study Hydrothermal Reactions by in situ Energy Dispersive X-Ray Diffraction.
Zur Veröffentlich. in Eur. J. Solid State Inorg. Chem.
- L. ENGELKE, M. SCHUR, W. BENSCH
In-situ X-Ray Diffraction Studies of the Crystallisation of Layered Manganese Thioantimonates (III) under Hydrothermal Conditions.
Zur Veröffentlich. in Chem. Mater.
- H. ENKISCH, A. KAPROLAT, W. SCHÜLKE, M.H. KRISCH, M. LORENZEN
Resonant Inelastic Scattering of X-Rays from NiAl: Bloch k-Vector Selectivity.
J. Phys. Chem. Solids 61 (2000) 449
- M. EPPEL, M. PANTHÖFER, R. WALTHER, H.J. DEISEROTH
Crystal-Chemical Characterization of Mixed-Valent Indium Chalcogenides by X-Ray Absorption Spectroscopy (EXAFS).
Z. Krist. 215 (2000) 445
- J. ERBES, A. GABKE, G. RAPP, R. WINTER
Rate of Phase Transformations between Lyotropic Lipid Mesophases: A Time-Resolved Synchrotron X-Ray Diffraction Study Using the Pressure-Jump Relaxation Technique.
Phys. Chem. Chem. Phys. 2 (2000) 151
- C. ERN, W. DONNER, H. DOSCH, B. ADAMS, D. NOWIKOW
Temperature-Dependent Interfacial Stiffness of the Disorder Layer in a Thin Cu₃Au Alloy Film.
Phys. Rev. Lett. 85 (2000) 1926
- I. ESTRELA-LLOPIS, G. BREZESINSKI, H. MÖHWALD
Influence of Model Membrane Structure on Phospholipase D Activity.
Phys. Chem. Chem. Phys. 2 (2000) 4600
- B. FAATZ, A.A. FATEEV, J. FELDHAUS, J. KRZYWINSKI, J. PFLÜGER, J. ROSSBACH, E.L. SALDIN, J.R. SCHNEIDER, E.A. SCHNEIDMILLER, M.V. YURKOV,
Development of a Pump-Probe Facility with Sub-Picosecond Time Resolution Combining a High-Power Ultraviolet Regenerative FEL Amplifier and a Soft X-Ray SASE FEL.
DESY 00-094, zur Veröffentlich. in Nucl. Instrum. Methods A
- B. FAATZ, J. PFLÜGER
Different Focusing Solutions for the TTF-FEL Undulator.
Zur Veröffentlich. in Nucl. Instrum. Methods A
- S. FAHSEL
Effect of lipia acyl Chain Length, Temperature, Pressure and Composition on the Mixtures.
Europ. Biophys. J. 29 (2000) 299
- G. FALKENBERG, O. CLAUSS, A. SWIDERSKI, T. TSCHENTSCHER
Upgrade of the X-Ray Fluorescence Beamline L at HASYLAB/DESY.
Zur Veröffentlich. in X-Ray Spectrometry
- G. FALKENBERG, R.L. JOHNSON, N. TAKEUCHI
Scanning Tunneling Microscopy and ab initio Calculations: c(4×8) Reconstructions of Pb on Si and Ge(001) Surfaces.
Zur Veröffentlich. in Phys. Rev. B
- G. FALKENBERG, T. TSCHENTSCHER, O. CLAUSS, A. SWIDERSKI
Optics for the X-Ray Fluorescence Beamline at HASYLAB.
Zur Veröffentlich. in Nucl. Instrum. Methods A
- J. FALTA, T. SCHMIDT, G. MATERLIK, J. ZEYSING, G. FALKENBERG, R.L. JOHNSON
Islands as Catalyst for Film Relaxation in Bi-Mediated Ge Epitaxy on Si(111).
Appl. Surf. Sci. 162-163 (2000) 256
- E. FELDBACH, M. KIRM, A. LUSHCHIK, C. LUSHCHIK, I. MARTINSON
Excitonic and Electron-Hole Processes in NaCl and NaCl:Ag Crystals under Conditions of Multiplication of Electronic Excitations.
J. Phys.: Condens. Matter 12 (2000) 1991
- A. FERA, I. DOLBANYA, R. OPITZ, B.I. OSTROVSKII, W.H. DE JEU
Crystalline Smectic-B Films as Fluctuating Systems: Static and Dynamic X-Ray Scattering.
Zur Veröffentlich. in Phys. Rev. E
- P. FEULNER, R. ROMBERG, S.P. FRIGO, R. WEIMAR, M. GSELL, A. OGURTSOV, D. MENZEL
Recent Progress in the Investigation of Core Hole-Induced Photon Stimulated Desorption from Adsorbates: Excitation Site-Dependent Bond Breaking, and Charge Rearrangement.
Surf. Sci. 451 (2000) 41
- O. FRANCO, S. KATHOLY, K. MORAWETZ, J. REICHE, A. FREYDANK, L. BREHMER, J.A. DE SAJA
Monitoring of Counter-Ion Interaction with Langmuir- and LB-Films of Amphiphilic 1,3,4-Oxadiazoles.
Zur Veröffentlich. in Colloids & Surfaces A
- H. FRANZ, B. HUCKELMANN, J.R. SCHNEIDER
The Nuclear-Resonance-Scattering Station at the PETRA II Undulator Beamline.
Hyperfine Interactions 126 (2000) 397
- T. FRELLO, N.H. ANDERSEN, J. MADSEN, A.B. ABRAHAMSEN, M. VON ZIMMERMANN, T. NIEMÖLLER, J.R. SCHNEIDER, T. WOLF
Oxygen-Ordering Superstructures in NdBa₂Cu₃O_{6.5} Single Crystals Investigated by Hard-X-Ray Diffraction.
Phys. Rev. B61 (2000) R9253

- H.P. FREUND, S.G. BIEDRON, R.J. DEJUS, S.V. MILTON, H.D. NUHN, B. FAATZ, S. REICHE
Multi-Dimensional Free-Electron Laser Simulation Codes: A Comparison Study.
Nucl. Instrum. Methods A445 (2000) 110
- P. FRIEDEL, D. POSPIECH, D. JEHNICHEN, J. BERGMANN, C.K. OBER
Polyesters with Semifluorinated Side Chains: A Proposal for the Solid State Structure.
J. Polym. Sci. Part B: Polym. Phys. 38 (2000) 1617
- S.S. FUNARI, G. RAPP, M. PERBRANDT, K. DIERKS, M. VALLAZZA, C. BETZEL, V.A. ERDMANN, D.I. SVERGUN
Structure of Free Thermus Flavus 5S rRNA at 1.3 nm Resolution from Synchrotron X-Ray Solution Scattering.
J. Biol. Chem. 275 (2000) 31283
- F. GALLI, S. RAMAKRISHNAN, T. TANIGUCHI, G.J. NIEUWENHUYNS, J.A. MYDOSH, S. GEUPEL, J. LÜDECKE, S. VAN SMAALEN
Charge-Density-Wave Transitions in the Local-Moment Magnet $\text{Er}_5\text{Ir}_4\text{Si}_{10}$.
Phys. Rev. Lett. 85 (2000) 158
- G. GAVOILLE, N.K. HANSEN, R. WELTER, B. MALAMAN, P. HERZIG, H.G. KRANE
Electron Density of CaNi_2Si_2 Studied Using Synchrotron X-Ray Diffraction and First-Principles Calculations.
J. Phys.: Condens. Matter 12 (2000) 2667
- R. GEHRKE, A. KNÖCHEL, P. K. PRANZAS, D.I. SVERGUN, J. THIEME, R. WILLUMEIT
Characterization of Structure and Coagulation Behavior of Aquatic Humic Substances.
Zur Veröffentlich. in J. Am. Chem. Soc.
- T. GERHARD, D. ALBERT, W. FASCHINGER
High Resolution X-Ray Diffraction Study of Degrading ZnSe-Based Structures.
J. Crystal Growth, 214-215 (2000) 1049
- J.W. GERLACH, D. SCHRUPP, R. SCHWERTBERGER, H. NEUMANN, M. ZEUNER, B. RAUSCHENBACH
Texture and Epitaxy by Ion Beam Assisted Deposition of Gallium Nitride.
Surface & Coat. Technol. 128-129 (2000) 286
- C. GERTH, K. GODEHUSEN, M. RICHTER, P. ZIMMERMANN, J. SCHULZ, P. WERNET, B. SONNTAG, A.G. KOCHUR, I.D. PETROV
Multiplet and Lifetime Effects in the 4d Photoelectron Spectrum of Eu.
Phys. Rev. A61 (2000) 022713
- C. GERTH, T. LOKAJCZYK, R. TREUSCH, J. FELDHAUS
Photon Diagnostics for the Study of Electron Beam Properties of a VUV SASE-FEL.
Zur Veröffentlich. in Nucl. Instrum. Methods A
- T. GEUE, O. HENNEBERG, J. GRENZER, U. PIETSCH, A. NATANSOHN, P. ROCHON, K. FINKELSTEIN
Formation of a Buried Density Grating Onat Thermal Erasure of Azobenzene Polymer Surface Gratings.
Zur Veröffentlich. in Coll. Surf. A
- T. GEUE, M. SCHULTZ, J. GRENZER, U. PIETSCH, A. NATANSOHN, P. ROCHON
X-Ray Investigations of the Molecular Mobility within Polymer Surface Gratings.
J. Appl. Phys. 87 (2000) 7712
- I.S. GEUPEL, J. LÜDECKE, A. JOBST, S. VAN SMAALEN, E. MORRE, C. GEIBEL, H.G. KRANE
Tiefemperaturstruktur und Elektronendichte der Spin-Peierls-Verbindung $\alpha\text{-NaV}_2\text{O}_5$.
- E. GLAZOUNOV, T. FETT, J.T. RESZAT, M.J. HOFFMANN, D. MUNZ, T. WROBLEWSKI
Influence of Domain Switching State on R-Curves Interpreted by Using X-Ray Diffraction Study.
Zur Veröffentlich. in J. Mat. Sci. Lett.
- J. GLODO, A.J. WOJTOWICZ,
Thermoluminescence and Scintillation Properties of LuAP and YAP.
J. Alloys & Compounds 300-301 (2000) 289
- U. GLOISTEIN, M. EPPLE, H.K. CAMMENGA
Influencing the Solid-Solid Phase Transition in Phenanthrene by Suitable Doping.
Z. Physikal. Chem. 214 (2000) 379
- E. GMINDER, M. KIRM, V. KISAND, B. STEEG, S. VIELHAUER, G. ZIMMERER
Creation of Secondary Excitons in Solid Ar Observed in the Luminescence of Molecular Self-Trapped Excitons (M-STE).
J. Luminesc. 87-89 (2000) 555
- T.M. GREHK, W. DRUBE, G. MATERLIK, L. KIPP, M. SKIBOWSKI
Backscattering X-Ray Standing Waves in the XUV Region.
Zur Veröffentlich. in J. Synchrotron Rad.
- J. GRENZER, J.N. DAROWSKI, U. PIETSCH, A. DANIEL, J.P. REITHMEIER, S. RENNO, A. FORCHEL
Grazing-Incidence Diffraction Strain Analysis of a Laterally Modulated MQW System Produced by Focused Ion Beam Implantation.
Zur Veröffentlich. in Appl. Phys. Lett.
- H. GRÜNSTEUDEL, H. PAULSEN, H. WINKLER, A.X. TRAUTWEIN, H. TOFTLUND
High-Spin Low-Spin Transition.
Hyperfine Interactions 123-124 (2000) 841
- J.D. GRUNWALDT, B.S. CLAUSEN
Combining XRD and EXAFS with On-line Catalytic Studies for in situ Characterization of Catalysts.
Zur Veröffentlich. in Topics in Catalysis

- J.D. GRUNWALDT, P. KAPPEN, B.S. HAMMERSHØI, L. TRÖGER, B.S. CLAUSEN
Fluorescence EXAFS for the in situ Study on the State of Promoters in Catalysis.
Zur Veröffentlich. in J. Synchrotron Rad.
- J.D. GRUNWALDT, A.M. MOLENBROEK, N.Y. TOPSØE, H. TOPSØE, B.S. CLAUSEN
In situ Investigations of Structural Changes in Cu/ZnO Catalysts.
J. Catalysis 194 (2000) 452
- M.M. GÜNTER, B. BEMS, R. SCHLÖGL, T. RESSLER
In situ Studies on the Structure of Copper Oxide/Zinc Oxide Catalysts.
Zur Veröffentlich. in J. Synchrotron Rad.
- M.M. GÜNTER, T. RESSLER, B. BEMS, C. BÜSCHER, T. GENGER, O. HINRICHSSEN, M. MUHLER, R. SCHLÖGL
Implication of the Microstructure of Binary Cu/ZnO Catalysts for their Catalytic Activity in Methanol Synthesis.
Zur Veröffentlich. in Catal. Lett.
- T. GUTBERLET, A. WURLITZER, U. DIETRICH, E. POLITSCH, G. CEVC, R. STEITZ, M. LÖSCHE
Organisation of Tethered Polyoaxoline Polymer Brushes at the Air/Water Interface.
Physica B283 (2000) 37
- J.S. GUTMANN, P. MÜLLER-BUSCHBAUM, D.W. SCHUBERT, N. STRIBECK, D. SMILGIES, M. STAMM
Roughness Correlations in Ultra-Thin Polymer Blend Films.
Physica B283 (2000) 40
- E. GUZIEWICZ, B.J. KOWALSKI, J. MASEK, B.A. ORLOWSKI, R.L. JOHNSON
Transition Metal 3d States in HgSe-Based Diluted Magnetic Semiconductors.
Zur Veröffentlich. in J. Alloys & Compounds
- E. GUZIEWICZ, B.J. KOWALSKI, B.A. ORLOWSKI, R.L. JOHNSON
Photoemission Study of Sm/CdTe Interface Formation.
Zur Veröffentlich. in Appl. Surf. Sci.
- E. GUZIEWICZ, K. SZAMOTA-SADOWSKA, B.J. KOWALSKI, B.A. ORLOWSKI, J. GHIJSEN, R.L. JOHNSON
Photoemission Study of Gd Atoms on CdTe(100) Surface.
Appl. Surf. Sci. 166 (2000) 231
- M. HAAS, E. REALO, H. WINKLER, W. MEYER-KLAUCKE, A.X. TRAUTWEIN
SYNFOS.
Hyperfine Interactions 125 (2000) 189
- M. HAAS, E. REALO, H. WINKLER, W. MEYER-KLAUCKE, A.X. TRAUTWEIN, O. LEUPOLD
Paramagnetic Relaxation as Seen by Nuclear Resonant Forward Scattering of Synchrotron Radiation.
Phys. Rev. B61 (2000) 4155
- F. HAASS, T. BUHRMESTER, M. MARTIN
High Temperature in situ X-Ray Absorption Studies on the Iron Valence in Iron Doped Nickel Oxide $(\text{Ni}_{1-x}\text{Fe}_x)_{1-\delta}\text{O}$.
Zur Veröffentlich. in Solid State Ionics
- S. HAFFNER, M. KNUPFER, S.R. KRISHNAKUMAR, K. RUCK, G. KRABBES, M.S. GOLDEN, J. FINK, R.L. JOHNSON
Analysis of the First Electron-Removal States of $\text{Ba}_2\text{Cu}_3\text{O}_4\text{Cl}_2$.
Eur. Phys. J. B14 (2000) 251
- U. HAHN, M. HESSE, T. KRACHT, E.W. WEINER, K. PORGES, U. MISSE
The Residual Gas Analyzer System for the HASYLAB Beamline Vacuum System.
Zur Veröffentlich. in Nucl. Instrum. Methods A
- C. HAMMERL, C. KAUPP, B. RAUSCHENBACH
Study of Phase Formation of High Fluence Oxygen Implanted Titanium and Molybdenum by Means of in-situ Electrical Resistivity Measurements.
Surface & Coat. Technol. 128-129 (2000) 370
- T.H. HANSTEEN, P.M. SACHS, F. LECHTENBERG
Partitioning Behaviour of Trace Elements between Granite and Fluid Changes from Solidus to Sub-Solidus Conditions: Fluid Inclusion Evidence.
Z. Eur. J. Mineral. 12 (2000) 74
- Synchrotron-XRF Microprobe Analysis of Silicate Reference Standards Using Fundamental-Parameter Quantification.
Z. Eur. J. Mineral. 12 (2000) 25
- T.H. HANSTEEN, V.R. TROLL, J. ARENSMEIER, M. SUMITA
Magmamixing during the 1991 Mt. Unzen Eruption, Japan, as Evidenced from Glass Inclusions and Plagioclase Zoning.
Terra Nostra 2 (2000) 35
- B. HASSE, H. EHRENBERG, J.C. MARXEN, W. BECKER, M. EPPLER
Calcium Carbonate Modifications of the Mineralized Shell of the Freshwater Snail *biomphalaria glabrata*.
Chem. Eur. J. 6 (2000) 3679
- F. HATAMI, U. MÜLLER, H. KISSEL, K. BRAUNE, R.P. BLUM, S. ROGASCHEWSKI, H. NIEHUS, H. KIRMSE, W. NEUMANN, M. SCHMIDBAUER, R. KÖHLER, W.T. MASSELINK
Planar Ordering of InP Quantum Dots on (100) $\text{In}_{0.48}\text{Ga}_{0.52}\text{P}$.
J. Cryst. Growth 216 (2000) 26
- S. HEATHMAN, R.G. HAIRE, T. LE BIHAN, A. LINDBAUM, K. LITFIN, Y. MERESSE, H. LIBOTTE
Pressure Induces Major Changes in the Nature of Americium's 5f Electrons.
Phys. Rev. Lett. 85 (2000) 2961
- O. HENNEBERG, T. GEUE, M. SAPHIANNIKOVA, U. PIETSCH, A. NATANSOHN, P. ROCHON, K. FINKELSTEIN
Investigation of Material Flow on Inscribing a Polymer Surface Grating Probing X-Ray and Vis Light Scattering.
Zur Veröffentlich. in Coll. Surf. A
- O. HERZBERG, H. EHRENBERG, S.J. KITCHIN, K.D.M. HARRIS, M. EPPLER
Characterization of Alkali-4-Halogenomethyl Benzoates by Solid State NMR Spectroscopy and Structure Determination from Synchrotron Powder Diffraction Data.
Zur Veröffentlich. in J. Solid State Chem.

- O. HERZOG, O. NARWARK, E. THORN-CSÁNYI
Synthesis and Properties of Monoheptyl Substituted PV Oligomers.
Zur Veröffentlich. in Synth. Met.
- F.U. HILLEBRECHT
Non-Linear Optics in the Soft X-Ray Regime Using Free Electron
Laser (FEL) Radiation.
Zur Veröffentlich. in Nucl. Instrum. Methods A
- F.U. HILLEBRECHT, T. KINOSHITA, C. ROTH, H.B. ROSE,
E. KISKER
Spin-Resolved Fe and Co 3s Photoemission.
J. Magn. Magn. Mater. 212 (2000) 201
- T. HIORT, D.V. NOVIKOV, E. KOSSEL, G. MATERLIK
Quantitative Assessment of X-Ray-Fluorescence Holography for
bcc Fe as a Test Case.
Phys. Rev. B61 (2000) R830
- K. HÖLZER, E. WECKERT, K. SCHROER
Properties of an Electron-Density Map Derived from a Limited
Number of Experimentally Determined Triplet Phases.
Acta Cryst. D56 (2000) 322
- J.M. HOLOPAINEN, J. LEMMICH, F. RICHTER, O.G. MOU-
RITSEN, G. RAPP, P.K.J. KINNUNEN
Dimyristoylphosphatidylcholine/C16:0-Ceramide Binary Lipo-
somes Studied by Differential Scanning Calorimetry and Wide-
and Small-Angle X-Ray Scattering.
Biophys. J. 78 (2000) 2459
- V. HOLY, J. STANGL, G. SPRINGHOLZ, M. PINCZOLITS, G.
BAUER, I. KEGEL, T.H. METZGER
Lateral and Vertical Ordering of Self-Assembled PbSe Quantum
Dots Studied by High-Resolution X-Ray Diffraction.
Physica B283 (2000) 65
- U. HOPPE
Structure of Vitreous P₂O₅ – A Refined Reverse Monte Carlo
Analysis.
J. Phys.: Condens. Matter 12 (2000) 8809
- U. HOPPE, R. KRANOLD, A. BARZ, D. STACHEL, J. NEUE-
FEIND
The Structure of Vitreous P₂O₅ Studied by High-Energy X-Ray
Diffraction.
Solid State Commun. 115 (2000) 559
- U. HOPPE, R. KRANOLD, H.J. WEBER, J. NEUEFEIND, A.C.
HANNON
The Structure of Potassium Germanate Glasses – A Combined
X-Ray and Neutron Scattering Study.
Zur Veröffentlich. in J. Non-Cryst. Solids
- U. HOPPE, G. WALTER, R. KRANOLD, D. STACHEL
Structural Specifics of Phosphate Glasses Probed by Diffraction
Methods: A Review.
J. Non-Cryst. Solids 264 (2000) 29
- Z. HU, H. VON LIPS, M.S. GOLDEN, J. FINK, G. KAINDL,
F.M.F. DE GROOT, S. EBBINGHAUS, A. RELLER
Multiplet Effects in the Ru-L_{2,3} X-Ray-Absorption Spectra of
Ru(IV) and Ru(V) Compounds.
Phys. Rev. B61 (2000) 5262
- H. HÜNNEFELD, T. NIEMÖLLER, J.R. SCHNEIDER, B.A.
KAUFMANN, F. SCHWABL
Influence of Defects on the Critical Behaviour at the 105 K
Structural Phase Transition of SrTiO₃: I. The Broad Component.
Zur Veröffentlich. in Phys. Rev. B
- H. HÜNNEFELD, T. NIEMÖLLER, J.R. SCHNEIDER, U. RÜTT,
S. RODEWALD, J. FLEIG, G. SHIRANE
Influence of Defects on the Critical Behaviour at the 105 K
Structural Phase Transition of SrTiO₃: II. The Sharp Component.
Zur Veröffentlich. in Phys. Rev. B
- D. HUPFELD, W. SCHWEIKA, J. STREMPFER, K. MATTEN-
BERGER, G.J. MCINTYRE, T. BRÜCKEL
Element Specific Magnetic Order and Competing Interactions in
Gd_{0,8}Eu_{0,2}S.
Europhys. Lett. 49 (2000) 92
- N. ICHIKAWA, S. UCHIDA, J.M. TRANSQUADA, T. NIEMÖL-
LER, P.M. GEHRING, S.H. LEE, J.R. SCHNEIDER
Local Magnetic Order vs Superconductivity in a Layered Cuprate.
Phys. Rev. Lett. 85 (2000) 1738
- A.YU. IGNATOV, N. ALI, P.V. KONAREV, M. TISCHER, A.V.
TSVYASHCHENKO, L.N. FOMICHEVA
Local Structure of YNi₂B₂C Superconductor Determined by
X-Ray Absorption Spectroscopy.
Phys. Rev. B61 (2000) 3274
- A.YU. IGNATOV, J. FELDHAUS, V.A. CHERNOV, A.A. IVA-
NOV
X-Ray Absorption Study of the CuO₂ Plane in Nd_{2-x}Ce_x CuO_{4-δ}.
Nucl. Instrum. Methods A448 (2000) 358
- G. IRMER, J. MONECKE, P. VERMA, G. GOERIGK, M. HERMS
Size Analysis of Nanocrystals in Semiconductor Doped Silicate
Glasses with Anomalous Small-Angle X Ray and Raman Scatter-
ing.
J. Appl. Phys. 88 (2000) 1873
- C. JANOWITZ, A. MÜLLER, A. KRAPP, R. MANZKE
Bi₂Sr₂Ca_{1-x}Y_xCu₂O_{8+δ} – From Optimum Doping to the Anti-
ferromagnetic Insulating Regime.
Zur Veröffentlich. in Phys. Rev. B
- C. JANOWITZ, N. ORLOWSKI, R. MANZKE, Z. GOLACKI
On the Band Structure of HgTe and HgSe – View from Photo-
emission.
Zur Veröffentlich. in J. Alloys & Compounds
- K. JANSSENS, G. VITTIGLIO, I. DERAEDT, A. AERTS, B.
VEKEMANS, L. VINCZE, F. WIE, I. DERYCK, O. SCHALM,
F. ADAMS, A. RINDBY, A. KNÖCHEL, A. SIMIONVICI, A.
SNIJIREV
Use of Microscopic XRF for Non-Destructive Analysis in Art and
Archaeometry.
X-Ray Spectrom. 29 (2000) 73
- R.E. JENTOFT, A. HAHN, F.C. JENTOFT, T. RESSLER
Manganese, Iron and Sulfur K Edge XAFS of Promoted Sulfated
Zirconia Catalysts.
Zur Veröffentlich. in J. Synchrotron Rad.

- J.Z. JIANG
Pressure Effect on Phase Transformation in Metallic Glasses.
Zur Veröffentlichung in Mater. Trans. JIM
- J.Z. JIANG, L. GERWARD, J.S. OLSEN
Pressure-Induced Phase Transformation in Nanocrystal SnO₂.
Zur Veröffentlichung in Scripta Materialia
- J.Z. JIANG, J.S. OLSEN, L. GERWARD, S. ABDALI, J. ECKERT,
N. SCHLORKE, L. SCHULTZ, J. TRUCKENBRODT, P.X. SHI
Pressure Effect on Crystallization of Fe₇₂P₁₁C₆Al₅B₄Ga₂ Bulk
Metallic Glass Forming Alloy.
J. Appl. Phys. 87 (2000) 2664
- J.Z. JIANG, J.S. OLSEN, L. GERWARD, D. FROST, D. RUBIE,
J. PEYRONNEAU
Structural Stability in Nanocrystalline ZnO.
Europhys. Lett. 50 (2000) 48
- J.Z. JIANG, R. SECCO, D. FROST, L. GERWARD, J.S. OLSEN,
J. TRUCKENBRODT
Phase Transformation and Conductivity in Nanocrystal PbS.
J. Appl. Phys. Commun. 87 (2000) 2658
- J.Z. JIANG, K. STÅHL, R.W. BERG, D.J. FROST, T.J. ZHOU,
P.X. SHI
Structural Characterization of Novel Silicon Nitride.
Europhys. Lett. 51 (2000) 62
- J.Z. JIANG, T.J. ZHOU, H.K. RASMUSSEN, U. KUHN, J.
ECKERT, C. LATHE
Crystallization in Zr_{41.2}Ti_{13.8}Cu_{12.5}Ni₁₀Be_{22.5} Bulk Metallic Glass
under Pressure.
Zur Veröffentlichung in Appl. Phys. Lett.
- J.Z. JIANG, Y.X. ZHUANG, H. RASMUSSEN, N. NISHIYAMA,
A. INOUE, C. LATHE
Eutectic Crystallization of Pd₄₀Cu₃₀Ni₁₀P₂₀ Bulk Glass under
Pressure.
Zur Veröffentlichung in Appl. Phys. Lett.
- J.E. JØRGENSEN, J.E. OLSEN, J.S. GERWARD
Phase Transitions in ReO₃ Studied by High-Pressure X-Ray Dif-
fraction.
J. Appl. Cryst. 33 (2000) 279
- R. JOHANN, C. SYMIETZ, D. VOLLHARDT, G. BREZESINSKI,
H. MÖHWALD
Influence of Cholesterol on Domain Shape and Lattice Structure
in Arachidic Acid Monolayers at High pH.
J. Phys. Chem. B104 (2000) 8512
- I.D. KAENDLER, O.H. SEECK, J.P. SCHLOMKA, M. TOLAN,
J. STETTNER, W. PRESS, L. KAPPIUS, C. DIEKER, S. MANTL
Structural Characterization of Oxidized Allotaxially Grown CoSi₂
Layers by X-Ray Scattering.
J. Appl. Phys. 87 (2000) 133
- T. KÄRNER, S. DOLGOV, M. KIRM, P. LIBLIK, A. LUSH-
CHIK, A. MAAROOS, S. NAKONECHNYI
Electronic Excitations and Luminescence in MgO:Ge Single Cry-
stals.
Nucl. Instrum. Methods B166-167 (2000) 232
- I.A. KAMENSKIKH, M. KIRM, V.N. KOLOBANOV, V.V. MIK-
HAILIN, P.A. OREKHANOV, I.N. SHPINKOV, D.A. SPASSKY,
A.N. VASIL'EV, G. ZIMMERER
Optical Properties and Luminescence Centres of Lead Tungstate,
Sulphate and Carbonate.
Zur Veröffentlichung in Rad. Effects and Defects in Solids
- I.A. KAMENSKIKH, V.N. KOLOBANOV, V.V. MIKHAILIN,
I.N. SHPINKOV, D.A. SPASSKY, G. ZIMMERER
VUV-Spectroscopy of Anisotropic Crystals Using SR Polarized
Properties.
Zur Veröffentlichung in Nucl. Instrum. Methods A
- P. KAPPEN, J.D. GRUNWALDT, B.S. HAMMERSHØI, L. TRÖ-
GER, G. MATERLIK, B.S. CLAUSEN
In situ Fluorescence XAFS Study on the State of the Cu Promo-
ter Atoms in High Temperature Shift Catalysts.
Zur Veröffentlichung in J. Catalysis
- The State of the Cu Promoter Atoms in High Temperature Shift
Catalysts – An in situ Fluorescence XAFS Study.
Zur Veröffentlichung in J. Catalysis
- P. KAPPEN, L. TRÖGER, K. HANSEN, C. RECKLEBEN, P.
LECHNER, L. STRÜDER, G. MATERLIK
Spatial Characterization of Monolithic Multi-Element Silicon-
Drift-Detectors for X-Ray Spectroscopic Applications.
Zur Veröffentlichung in Nucl. Instrum. Methods A
- A. KAPROLAT, K. HÖPPNER, C. STERNEMANN, W.
SCHÜLKE
New Lights on Electron Correlation in Simple Metals: Inelastic
X-Ray Scattering Results vs. Current Theoretical Treatment.
In: Understanding Chemical Reactivity, Vol. 21, P. G. Mezey et
al. (Eds.), Kluwer Academic Publ., Dordrecht/NL (2000)
- P. KEIL, D. LÜTZENKIRCHEN-HECHT, D.V. NOVIKOV, U.
HAHN, R. FRAHM
Reflectivity Studies on a Synchrotron Radiation Mirror in the Hard
X-Ray Regime.
Zur Veröffentlichung in Nucl. Instrum. Methods A
- E. KENTZINGER, U. RÜCKER, W. CALIEBE, G. GOERIGK, F.
WERGES, S. NERGER, J. VOIGT, W. SCHMIDT, B. ALEFELD,
C. FERMON, T. BRÜCKEL
Structural and Magnetic Characterization of Fe/d-Mn Thin Films.
Physica B276-278 (2000) 586
- N. KERNAVANOIS, P. DALMAS DE REOTIER, J.P. SANCHEZ,
A. YAOUANC, V. HONKIMÄKI, T. TSCHENTSCHER, J. MC-
CARTHY, A. ROGALEV, O. VOGT
Orbital and Spin Magnetism in US – Comparison with USe and
UTe.
Zur Veröffentlichung in J. Appl. Cryst.
- N.M. KHAIDUKOV, M. KIRM, S.K. LAM, D. LO, V.N. MAK-
HOV, G. ZIMMERER
VUV Spectroscopy of KYF₄ Crystals Doped with Nd³⁺, Er³⁺
and Tm³⁺.
Opt. Commun. 184 (2000) 183

- A. KHARCHENKO, U. ENGLISCH, T. GEUE, J. GRENZER, U. PIETSCH, R. SIEBRECHT
Investigation of Partially Deuterated/Non-Deuterated Cd-Arachidate LB Multilayers by Means of X-Ray and Spin-Resolved Neutron Reflectometry.
Neutron News 11 (2000) 29
- L. KIPP, M. SKIBOWSKI
Aspects on Direct and Inverse Photoemission Studies of Layered Transition Metal Dichalcogenides.
In: Electron Spectroscopies Applied to Low-Dimensional Materials, H.I. Starnberg, H.P. Hughes (Eds.), Kluwer Academic Publ., Dordrecht/NL (2000)
- F. KLOSE, C. REHM, M. FIEBER-ERDMANN, E. HOLUBKRAPPE, H. BLEIF, H. SOWERS, R. GOYETTE, L. TRÖGER, H. MALETTA
Hydrogen Absorption in Epitaxial W/Nb(001) and Polycrystalline Fe/Nb(110) Multilayers Studied in-situ by X-Ray/Neutron Scattering Techniques and X-Ray Absorption Spectroscopy.
Physica B283 (2000) 184
- M. KNAPP, U. RUSCHEWITZ
Structural Phase Transitions in CaC₂.
Zur Veröffentlich. in Chem. Eur. J.
- N. KOCH, G. LEISING, L.M. YU, A. RAJAGOPAL, J.J. PIREAUX, R.L. JOHNSON
Bipolaron Formation in Para-Sexiphenyl Thin Films upon Cs Doping.
J. Vac. Sci. Technol. A18 (2000) 295
- N. KOCH, A. RAJAGOPAL, J. GHIJSEN, R.L. JOHNSON, G. LEISING, J.J. PIREAUX
Bipolaron: The Stable Charge Species in n-Doped p-Sexiphenyl.
J. Phys. Chem. B104 (2000) 1434
- N. KOCH, A. RAJAGOPAL, E. ZOJER, J. GHIJSEN, X. CRISPIN, G. POURTOIS, J.L. BREDAS, R.L. JOHNSON, J.J. PIREAUX, G. LEISING
The Influence of the Counterion on the Electronic Structure in Doped Phenylene-Based Materials.
Surf. Sci. 454-456 (2000) 1000
- R. KÖHN, F. BRIELER, M. FRÖBA
Ternary Transition Metal Oxides within Mesoporous MCM-48 Silica Phases: Synthesis and Characterization.
Stud. Surf. Sci. Catal. 129 (2000) 341
- R. KÖHN, M. FRÖBA
Nanoparticles of 3d Transition Metal Oxides in Mesoporous Silica Host Structures: Synthesis and Characterization.
Zur Veröffentlich. in Catalysis Today
- R. KOLB, S. SEIFERT, N. STRIBECK, H.G. ZACHMANN
Simultaneous Measurements of Small- and Wide-Angle X-Ray Scattering during Low Speed Spinning of Poly(propylene) Using Synchrotron Radiation.
Polymer 41 (2000) 1497
- A. KOLMAKOV, J.O. LÖFKEN, C. NOWAK, F. PICUCCI, M. RIEDLER, C. RIENECKER, A. WARK, M. WOLFF, T. MÖLLER
Argon Coated Alkali Halide Clusters: The Effect of the Coating on the Ionization and Fragmentation Dynamics.
Chem. Phys. Lett. 319 (2000) 465
- D.C. KONINGSBERGER, M.K. OUDENHUIJZEN, J.H. BITTER, D.E. RAMAKER
Study of Geometrical and Electronic Effects Induced by Hydrogen Chemisorption on Supported Pt Particles. Analysis of Pt-H EXAFS and Pt-H Anti-Bonding State Shape Resonance.
Topics in Catalysis 10 (2000) 167
- Z. KOVATS, T.H. METZGER, J. PEISL, J. STANGL, M. MÜHLBERGER, Y. ZHUANG, F. SCHÄFFLER, G. BAUER
Investigation of β -SiC Precipitation in Si_{1-y}C_y Epilayers by X-Ray Scattering at Grazing Incidence.
Appl. Phys. Lett. 76 (2000) 3409
- B.J. KOWALSKI, B.A. ORLOWSKI, E. JANIK, R.L. JOHNSON
Mn 3d Derived Contribution to the Valence Band of MBE Grown Cubic MnTe.
Zur Veröffentlich. in J. Alloys & Compounds
- T. KRAFT, T. MATTEI, A. RADOCAJ, B. BRENNER
Actin Layer Line Profiles of Single Skinned Fibers of Rabbit Psoas Muscle during Isometric Contraction, Relaxation and Rigor at 20°C.
Biophys. J. 78/1 (2000) 228A
- T. KRAFT, T. MATTEI, A. RADOCAJ, C. NOCULA, B. PIEP, M. FURCH, B. BRENNER
Force Generating Cross-Bridges in Isometrically Contracting Skeletal Muscle are Structurally Different from Rigor-Like Cross-Bridges.
Pflüg. Arch. 439 (2000) R408
- R. KRANOLD, A. HOELL, M. KAMMEL, U. LEMBKE, G. VON KROSIGK
Reversion of Precipitates in Phase Separated Soda Lime Silica Glass.
J. Appl. Cryst. 33 (2000) 492
- E. KRASOVSKII, O. TIEDJE, W. SCHATTKE, J. BRANDT, J. KANZOW, K. ROSSNAGEL, L. KIPP, M. SKIBOWSKI, M. HYTHA, B. WINKLER
Electronic Structure and UPS of the Misfit Chalcogenide (SnS)NbS₂ and Related Compounds.
Zur Veröffentlich. in J. Electron Spectr. Rel. Phen.
- N. KRASTEVA, D. VOLLHARDT, G. BREZESINSKI
Mixed Stearoyl-rac-glycerol/12-(hydroxy)stearoyl-rac-glycerol Monolayers on the Air/Water Interface: Brewster Angle Microscopy and Grazing Incidence X-Ray Diffraction Investigation.
J. Phys. Chem. B104 (2000) 8704
- C. KREIS, M. TRAVING, R. ADELUNG, L. KIPP, M. SKIBOWSKI
K-Resolved Electronic Structure of Quasi Free 2 Dimensional HfS₂ Clusters.
Europhys. Lett. 52 (2000) 189
- Tracing the Valence Band Maximum during Epitaxial Growth of HfS₂ on WSe₂.
Appl. Surf. Sci. 166 (2000) 17
- P. KRÜGER, M. SCHALKE, J. LINDERHOLM, M. LÖSCHE
Multi-Purpose X-Ray Reflectometer Optimized for the Characterization of Organic Surface Films on Aqueous Subphases.
Zur Veröffentlich. in Rev. Sci. Instrum.

- S. KÜCK, M. HENKE, K. RADEMAKER
Crystal Growth and Spectroscopic Investigation of Yb²⁺-Doped Fluoride Crystals.
Zur Veröffentlichung in Laser Physics
- C. KUMPF, O. BUNK, J.H. ZEYSING, M.M. NIELSEN, M. NIELSEN, R.L. JOHNSON, R. FEIDENHANS'L
Structural Study of the Commensurate-Incommensurate Low-Temperature Phase Transition of Pb on Si(111).
Surf. Sci. 448 (2000) L213
- C. KUMPF, O. BUNK, J.H. ZEYSING, Y. SU, M. NIELSEN, R.L. JOHNSON, R. FEIDENHANS'L, K. BECHGAARD
Low-Temperature Structure of Indium Quantum Chains on Silicon.
Phys. Rev. Lett. 85 (2000) 4916
- V. LA CARRUBBA, V. BRUCATO, S. PICCAROLO
Isotactic Polypropylene Solidification under Pressure and High Cooling Rates. A Master Curve Approach.
Zur Veröffentlichung in Polymer Engin. Sci.
- E.M. LAURIDSEN, J. BAKER, M. NIELSEN, R. FEIDENHANS'L, G. FALKENBERG, O. BUNK, J.H. ZEYSING, R.L. JOHNSON
Structure Determination of the Si-(001)-(2×1)-H Reconstruction by Surface X-Ray Diffraction: Weakening of the Dimer Bond by the Addition of Hydrogen.
Surf. Sci. 453 (2000) 18
- K. LAWNICZAK-JABLONSKA, T. SUSKI, I. GORCZYCA, N. CHRISTENSEN, K. ATTENKOFER, R. PERERA, E. GULLIKSON, J. UNDERWOOD, D. EDERER, Z. LILIENTAL-WEBER
Electronic States in Valence and Conduction Bands of Group-III Nitrides: Experiment and Theory.
Phys. Rev. B61 (2000) 16623
- K. LEDERER, A. GODT, P.B. HOWES, K. KJAER, J. ALS-NIELSEN, M. LAHAV, G. WEGNER, L. LEISEROWITZ, I. WEISSBUCH
Crystalline Self-Assembly into Monolayers of Folded Oligomers at the Air-Water Interface.
Chem. Eur. J. 6 (2000) 2173
- H. LEHNERT, B. BOYSEN, J. SCHNEIDER, F. FREY, D. HOHLWEIN, P. RADAELLI, H. EHRENBURG
A Powder Diffraction Study of the Phase Transition in LaAlO₃.
Z. Krist. 215 (2000) 536
- A. LEINEWEBER, H. JACOBS, H. EHRENBURG
Crystal Structure of Ni(NH₃)Cl₂ and Ni(NH₃)Br₂.
Z. Anorg. Allg. Chem. 626 (2000) 2146
- O. LEUPOLD, H. WINKLER
Relaxation Experiments with Synchrotron Radiation.
Hyperfine Interactions 123-124 (2000) 571
- A. LINDBAUM, S. HEATHMAN, G. KRESSE, M. ROTTER, E. GRATZ, A. SCHNEIDEWIND, G. BEHR, K. LITFIN, T. LE BIHAN, P. SVOBODA
Structural Stability of LaCu₂ and YCu₂ Studied by High Pressure X-Ray Diffraction and ab-initio Total Energy Calculations.
J. Phys.: Condens. Matter 12 (2000) 3219
- A. LINDBAUM, S. HEATHMAN, T. LE BIHAN, P. ROGL
Pressure-Induced Orthorhombic Distortion of UMn₂.
J. Alloys & Compounds 298 (2000) 177
- T. LIPPMANN, J.R. SCHNEIDER
Accurate Structure-Factor Measurements Using High Energy Synchrotron Radiation. A Test on Cuprite, Cu₂O.
J. Appl. Cryst. 33 (2000) 156
- Topological Analyses of Cuprite, Cu₂O, Using High-Energy Synchrotron Radiation Data.
Acta Cryst. A56 (2000) 575
- C. LIU, M. SCHRECK, A. WENZEL, B. MENSCHING, B. RAUSCHENBACH
Damage Buildup and Removal in Ca-Ion Implanted GaN.
Appl. Phys. A70 (2000) 53
- J. LÜDECKE, A. JOBST, S. VAN SMAALEN
The CDW Structure of the m = 4 Phosphate Bronze (PO₂)₄(WO₃)_{2m}.
Europhys. Lett. 49 (2000) 357
- J. LÜDECKE, M. SCHNEIDER, S. VAN SMAALEN
Independent q and 2q Distortions in the Incommensurately Modulated Low Temperature Structure of Nb Doped NiTa₂Se₇.
J. Sol. State Chem. 153 (2000) 152
- D. LÜTZENKIRCHEN-HECHT, R. FRAHM
Structural Investigations of Sputter Deposited Thin Films: Reflection Mode EXAFS, Specular and Non Specular X-Ray Scattering.
Physica B283 (2000) 108
- The Corrosion of Mo in KOH: Time Resolved XAFS Investigations.
Zur Veröffentlichung in J. Phys. Chem.
- D. LÜTZENKIRCHEN-HECHT, S. GRUNDMANN, R. FRAHM
Piezo-QEXAFS with Fluorescence Detection: Fast Time Resolved Investigation of Dilute Specimen.
Zur Veröffentlichung in J. Synchrotron Rad.
- D. LÜTZENKIRCHEN-HECHT, N. SCOTTI, H. JACOBS, R. FRAHM
XAFS Investigations of Tin Nitrides.
Zur Veröffentlichung in J. Synchrotron Rad.
- A. LUSHCHIK, M. KIRM, C. LUSHCHIK, I. MARTINSON, F. SAVIKHIN
Decay of Cation Excitons in Sodium Halide Crystals.
Zur Veröffentlichung in Rad. Eff. and Def. in Solids,
- A. LUSHCHIK, M. KIRM, C. LUSHCHIK, I. MARTINSON, G. ZIMMERER
Luminescence of Free and Self-Trapped Excitons in Wide-Gap Oxides.
J. Luminesc. 87-89 (2000) 232
- A. LUSHCHIK, M. KIRM, C. LUSHCHIK, E. VASIL'CHENKO
Excitonic and Electron-Hole Mechanisms of the Creation of Frenkel Defect in Alkali Halides.
Nucl. Instrum. Methods B166-167 (2000) 529

- C. LUSHCHIK, A. LUSHCHIK, T. KÄRNER, M. KIRM, S. DOLGOV
Relaxation, Self-Trapping and Decay of Electronic Excitations in Wide-Gap Oxides.
Izvest. VUZ, Fiz. N3 (2000) 5 (Russian Phys. J.)
- W. LUZNY, E.J. SAMUELSEN, D.W. BREIBY
Polyaniline Thin Films – Structural Anisotropy Study by Use of Synchrotron Radiation Surface Diffraction.
Zur Veröffentlich. in Synth. Met.
- V.N. MAKHOV, N.M. KHAIDUKOV, N.YU. KIRIKOVA, M. KIRM, J.C. KRUPA, T.V. OUVAROVA, G. ZIMMERER,
VUV Emission of Rare Earth Ions Doped into Fluoride Crystals.
J. Luminesc. 87-89 (2000) 1005
- T. MALCHEREK, C. PAULMANN, M.C. DOMENEGHETTI, U. BISMAYER
Diffuse Scattering Anisotropy and the P21/a \leftrightarrow A2/a Phase Transition in Titanite, CaTiOSiO₄.
Zur Veröffentlich. in J. Appl. Cryst.
- B. MALIC, M. KOSEC, I. ARCON, A. KODRE
Influence of the Structure of Precursors on the Crystallization of PbTiO₃ Thin Films.
J. Sol-Gel Sci. Techn. 19 (2000) 153
- R. MANZKE, R. MÜLLER, C. JANOWITZ, M. SCHNEIDER, A. KRAPF, H. DWELK
Novel Fine-Structure in the Low-Energy Excitation Spectrum of a High-Tc Superconductor by Polarization Dependent Photoemission.
Zur Veröffentlich. in Phys. Rev. Lett.
- R. MANZKE, R. MÜLLER, M. SCHNEIDER, C. JANOWITZ, A. KRAPF, A. MÜLLER, H. DWELK
Electron Spectroscopy of Single-Layer (n=1) Bi₂Sr_{2-x}La_x CuO_{6+δ} Crystals at Optimal Doping.
J. Superconductivity 13 (2000) 883
- P. MARCZUK, P. LANG, M. MÖLLER
Amphiphilicity and Structure Formation of Semifluorinated Alkanes.
Zur Veröffentlich. in Colloids & Surfaces A
- P. MARTURANO, L. DROZDOVA, A. KOGELBAUER, R. PRINS
Fe/ZSM-5 Prepared by Sublimation of FeCl₃: The Structure of the Fe Species as Determined by IR, Al-27 MAS NMR, and EXAFS Spectroscopy.
J. Catalysis 192 (2000) 236
- N. MATTERN, U. KÜHN, J. NEUEFEIND, J. ECKERT
Formation of Ultrafine Nanostructure by Crystallization of Zr₅₂Al₆Cu₁₄Ni₈Fe₂₀ Metallic Glass.
Appl. Phys. Lett. 77 (2000) 1153
- N. MATTERN, J. NEUEFEIND, U. KÜHN, M. ZINKEVITCH, H. HERRMANN, J. ECKERT
Short-Range Order and Crystallization Behaviour of Zr-Based Bulk Amorphous Alloys.
Zur Veröffentlich. in J. Mat. Proc. Technol.
- P.J. MCNALLY, G. DILLIWAY, J.M. BONAR, A. WILLOUGHBY, T. TUOMI, R. RANTAMÄKI, A.N. DANILEWSKY, D. LOWNEY
Observation of Misfit Dislocation Strain-Induced Surface Features for a Si/Ge-Si Heterostructure Using Total Reflection X-Ray Topography.
phys. stat. sol. (a) 181 (2000) R1
- On the Use of Total Reflection X-Ray Topography for the Observation of Misfit Dislocation Strain at the Surface of a Si/Ge-Si Heterostructure.
Appl. Phys. Lett. 77 (2000) 1644
- D. MENZEL
Ultraschneller Ladungstransfer und lokalisierter Bindungsbruch.
Phys. Bl. 56 (2000) 81
- B.V. MERINOV, G. BOURENKOV, U. BISMAYER
High-Temperature Superionic Phase of Mixed Proton Conductor [Rb_{0.57}(NH₄)_{0.43}]₃H(SeO₄)₂: Dynamic Twinning and Anomalous Display of Dynamically Disordered Hydrogen Atoms.
phys. stat. sol. (b) 218 (2000) 365
- D.C. MEYER, K. RICHTER, P. PAUFLER, P. GAWLITZA, T. HOLZ
X-Ray Absorption Fine Structure Study of Short-Range Order of Iron in Fe/Al Multilayers.
J. Appl. Phys. 87 (2000) 7218
- V.V. MIKHAILIN
SR Study of Scintillators.
Nucl. Instrum. Methods A448 (2000) 461
- O.V. MISHIN, E.M. LAURIDSEN, N.C. KRIEGER LASSEN, G. BRÜCKNER, T. TSCHENTSCHER, B. BAY, D. JUUL JENSEN, H.F. POULSEN
Application of High-Energy Synchrotron Radiation for Texture Studies.
J. Appl. Cryst. 33 (2000) 364
- A.M. MOLENBROEK, J.K. NØRSKOV, B.S. CLAUSEN
Design of a Ni/Au Surface Alloy Catalyst for Steam Reforming.
ESRF Highlights (2000) 93
- M. MONEKE, I. ALIG, T. WROBLEWSKI, A. MEYER
Spatially Resolved Measurements of the Morphology in Injection Molded Polypropylene Plates.
Zur Veröffentlich. in Mat. Sci. Eng. A288 (2000)
- K. MORAWETZ, J. REICHE, H. KAMUSCOWITZ, H. KOSMELLA, R. RIES, M. NOACK, L. BREHMER
Deposition of Oriented Zeolite Particle Films via the Langmuir-Blodgett Techniques.
Zur Veröffentlich. in Colloids & Surfaces A
- M. MORGENSTERN, M. GETZLAFF, D. HAUDE, R. WIESEN-DANGER, R.L. JOHNSON
Coverage Dependence of the Fe-Induced Fermi-Level Shift and the Two-Dimensional Electron Gas on InAs(110).
Phys. Rev. B61 (2000) 13 805
- R. MÜLLER, C. JANOWITZ, M. SCHNEIDER, A. KRAPF, H. DWELK, P. MANZKE
Lack of Photon Energy Dependence of the Fermi Surface of n=1 Bi₂Sr_{2-x}La_xCuO_{6+δ} Single Crystals.
Physica C341-348 (2000) 2109

- P. MÜLLER-BUSCHBAUM, J.S. GUTMANN, J. KRAUS, H. WALTER, M. STAMM
Suppression of Roughness Replication in Bilayer Films Prepared by Spin Coating.
Macromolecules 33 (2000) 569
- P. MÜLLER-BUSCHBAUM, J.S. GUTMANN, M. STAMM, R. CUBITT
Surface Structure Analysis of Thin Dewetted Polymer Blend Films.
Macromol. Symp. 149 (2000) 283
- P. MÜLLER-BUSCHBAUM, J.S. GUTMANN, M. STAMM, R. CUBITT, S. CUNIS, G. VON KROSIGK, R. GEHRKE, W. PETRY
Dewetting of Thin Polymer Blend Films: Examined with GISAS.
Physica B283 (2000) 53
- M. MUKHOPADHYAY, A. DATTA, M.K. SANYAL, T. GEUE, U. PIETSCH
Synchrotron Studies of Melting of Langmuir-Blodgett Films.
Zur Veröffentlich. in *J. Phys. D*
- O. MUTH, M. FRÖBA
On the Way to New Nanoporous Transition Metal Oxides.
Stud. Surf. Sci. Catal. 129 (2000) 357
- S.V. MYAGKOTA, A.V. GLOSKOVSKY, V.M. GABA, A.S. VOLOSHINOVSKII, I.V. STEFANSKII
X-Ray Luminescence of Pb-Based Microcrystals Dispersed in CsCl Matrix.
J. Appl. Spectrosc. 6 (2000) 480
- S.V. MYAGKOTA, A.V. GLOSKOVSKY, A.S. VOLOSHINOVSKII
Photo- and X-Ray Luminescence Spectra of CsPbX₃ Microcrystals, Dispersed in PbX₂ (X = Cl, Br) Matrices.
Optics & Spectrosc. 88 (2000) 538
- O. NARWARK, O. HERZOG, E. THORN-CSÁNYI
Substituted PV Oligomers in Thin Films.
Zur Veröffentlich. in *Synth. Met.*
- J. NEUEFEIND
An Potential Inversion Study of Liquid CuBr.
Zur Veröffentlich. in *Phys. Rev. B*
- High Energy XRD Investigations of Liquids.
Zur Veröffentlich. in *J. Molec. Liquids*
- J. NEUEFEIND, H.E. FISCHER, W. SCHRÖER
The Structure of Fluid Trifluoromethane and Methylfluoride.
J. Phys.: Condens. Matter 12 (2000) 8765
- The Structure of Supercritical HCF₃.
Physica B276-278 (2000) 481
- R. NEUTZE, R. WOUTS, D.V.D. SPOEL, E. WECKERT, J. HAJDU
Potential for Biomolecular Imaging with Femtosecond X-Ray Pulses.
Nature 408 (2000) 752
- R. NICULA, A. JIANU, U. PONKRATZ, E. BURKEL
High Pressure Stability of Ti-Zr-Ni Quasicrystals.
Phys. Rev. B62 (2000) 8844
- L.P. NIELSEN, S.V. CHRISTENSEN, H. TOPSØE, B.S. CLAUSEN
Changes in Metal Sulfur Bond Energy in Promoted and Unpromoted Molybdenum Catalysts.
Catal. Lett. 67 (2000) 81
- M. NIELSEN, R. FEIDENHANS'L, P.B. HOWES, F. GREY, K. RASMUSSEN, J. VEDDE
The Interface of Directly-Bonded Si Crystals Studied by Synchrotron X-Ray Diffraction.
In: *Exploration of Subsurface Phenomena by Particle Scattering*, N.Q. Lam et al. (Eds.), IASI Press, North East/USA
- L.P. NIELSEN, L. IBSEN, S.V. CHRISTENSEN, B.S. CLAUSEN
The Effect of NO Adsorption on the Chemical State of Promoted Hydrotreating Catalysts.
J. Mol. Catal. A: Chem. 162 (2000) 375
- R. NIETUBYC, E. SOBCZAK, J.B. PELKA, S. MACKOWSKI, E. JANIK, G. KARCZEWSKI
Anomalous Small Angle Scattering Study of CdTe Quantum Dots in ZnTe.
Zur Veröffentlich. in *J. Alloys & Compounds*
- Y. NISHINO, G. MATERLIK
Holographies and EXAFS in Quantum Electrodynamics. (Erratum)
Phys. Rev. B61 (2000) 14 845 (*Phys. Rev. B60* (1999) 15 074)
- Y. NISHINO, L. TRÖGER, P. KORECKI, G. MATERLIK
Photon Interference X-Ray Absorption Fine Structure.
Zur Veröffentlich. in *Phys. Rev. Lett.*
- C. NOTTHOFF, H. FRANZ, M. HANFLAND, D.M. HERLACH, D. HOLLAND-MORITZ, W. PETRY
Energy-Dispersive X-Ray Diffraction Combined with Electromagnetic Levitation to Study the Phase-Selection in Undercooled Melts.
Zur Veröffentlich. in *Rev. Sci. Instrum.*
- C. NOWAK, H. DÖLLEFELD, A. EYCHMÜLLER, J. FRIEDRICH, A. KOLMAKOV, J.O. LÖFKEN, M. RIEDLER, A. WARK, H. WELLER, M. WOLFF, T. MÖLLER
Innershell Absorption Spectroscopy on CdS: Free Clusters and Nanocrystals.
Zur Veröffentlich. in *J. Chem. Phys.*
- N. OBERENDER, M. FRÖBA
First Synthesis of Mesostructured Hexagonal Germanium Sulfides Using Gemini Surfactants.
Stud. Surf. Sci. Catal. 129 (2000) 367
- I.N. OGORODNIKOV, V.A. PUSTOVAROV, L.I. ISAENKO, A.V. KRUSHALOV
Kinetics of Nonequilibrium Processes in Non-Linear Crystals of Lithium Borates Excited by Synchrotron Radiation.
Nucl. Instrum. Methods A448 (2000) 467
- I.N. OGORODNIKOV, V.A. PUSTOVAROV, A.V. KRUSHALOV, L.I. ISAENKO, M. KIRM, G. ZIMMERER
Electronic Excitation and Luminescence in CsLiB₆O₁₀ Crystals.
Phys. Solid State (Transl.) 42 (2000) 1800
- Self-Trapped Excitons in Lithium Borates LiB₃O₅ and Li₂B₄O₇
Low-Temperature Luminescent VUV Spectroscopy with Time-Resolution.
Phys. Solid State (Transl.) 42 (2000) 454

- A.N. OGURTSOV, A.M. RATNER, E.V. SAVCHENKO, V. KISAND, S. VIELHAUER
Branched Relaxation of Electronic Excitations in Rare-Gas Crystals with Traps of Different Types.
J. Phys.: Condens. Matter 12 (2000) 2769
- N. ORLOWSKI, J. AUGUSTIN, Z. GOLACKI, C. JANOWITZ, R. MANZKE
Direct Evidence for the Inverted Band Structure of HgTc.
Phys. Rev. B61 (2000) R5058
- N. ORLOWSKI, C. JANOWITZ, R. MANZKE, Z. GOLACKI
Bulk Band Structure and Negative Band Gap of HgTe by Angle-Resolved Photoemission Spectroscopy.
In: Narrow Gap Semiconductors, N. Puhlmann et al. (Eds.), Berlin/D (2000)
- B.A. ORLOWSKI, B.J. KOWALSKI, E. GUZIEWICZ, K. SZAMOTA-SADOWSKA, N. BARRETT, C. GUILLOT, R.L. JOHNSON, J. GHIJSEN
Clean and Doped Surface Electronic Structure in Angle Resolved and Resonant Photoemission Study.
Zur Veröffentlichung in Progress in Surf. Sci.
- J.E. ORTEGA, S. SPELLER, A.R. BACHMANN, A. MASCA-RAQUE, E.G. MICHEL, A. NÄRMANN, A. MUGARZA, A. RUBIO, F.J. HIMPSEL
The Electron Wave Function at a Vicinal Surface: Switch from Terrace to Step Modulation.
Phys. Rev. Lett. 84 (2000) 6110
- H. OUGHADDOU, B. AUFRAY, G. LELAY, J.M. GAY, J.H. ZEYSING, R.L. JOHNSON, N. BARRETT, C. GUILLOT
Semiconductor on Metal Adsorption: Ge Tetramers on the Ag(001) Surface.
Appl. Surf. Sci. 162-163 (2000) 74
- H. OUGHADDOU, J.M. GAY, B. AUFRAY, L. LAPENA, G. LELAY, O. BUNK, G. FALKENBERG, J.H. ZEYSING, R.L. JOHNSON
Ge Tetramer Structure of the $p(2\sqrt{2} \times 4\sqrt{2})R45^\circ$ Surface Reconstruction of Ge/Ag(001): A Surface X-Ray Diffraction and STM Study.
Phys. Rev. B61 (2000) 5692
- A. OWENS, M. BAVDAZ, V. GOSTILO, H. GRAAFSMA, I. LISJUTUN, A. PEACOCK, H. SIPILA, S. ZATOLOKA
The X-Ray Response of TlBr.
Zur Veröffentlichung in J. Appl. Phys.
- A. OWENS, M. BAVDAZ, S. KRAFT, A. PEACOCK, S. NENONEN, H. ANDERSSON
The Hard X-Ray Response of Epitaxial GaAs Detectors.
Nucl. Instrum. Methods A442 (2000) 360
- A. OWENS, M. BAVDAZ, I. LISJUTUN, A. PEACOCK, S. ZATOLOKA
On the Development of Compound Semiconductor Thallium Bromide Detectors for Astrophysics.
Zur Veröffentlichung in Nucl. Instrum. Methods A
- A. OWENS, M. BAVDAZ, D. MARTIN, A. PEACOCK
The Hard X-Ray Response of HgI₂.
Zur Veröffentlichung in J. Appl. Phys.
- A. OWENS, M. BAVDAZ, A. PEACOCK, A. POELAERT, H. ANDERSSON, S. NENONEN, L. TRÖGER, G. BERTUCCIO
Hard X-Ray Spectroscopy Using Small Format GaAs Arrays.
Zur Veröffentlichung in J. Appl. Phys.
- T. PASSOW, H. HEINKE, J. FALTA, K. LEONARDI, D. HOMMEL
Non-Destructive Detection of Stacking Faults for Optimization of CdSe/ZnSe Quantum Dot Structures.
Zur Veröffentlichung in Appl. Phys. Lett.
- W. PASZKOWICZ, W. SZUSZKIEWICZ, J. DOMAGALA, E. DYNOWSKA, B. WITKOWSKA, M. MARCZAK, P. ZINN
Sphalerite-Cinnabar Phase Transition in Hg_{1-x}Fe_xS.
Mat. Sci. Forum 321-324 (2000) 893
- W. PASZKOWICZ, W. SZUSZKIEWICZ, E. DYNOWSKA, J.Z. DOMAGALA, J. TRUCKENBRODT, C. SKIERBISZEWSKI
High-Pressure Study of Hg_{1-x}TM_xS (TM = Mn, Fe, Co).
In: Synchrotron Radiation Studies of Materials, M. Lefeld-Sosnowska, J. Gronkowski (Eds.), Warsaw/PL (2000)
- C. PAULMANN, U. BISMAYER, L.A. GROAT
Thermal Annealing of Metamict Titanite: A Synchrotron Radiation and Optical Birefringence Study.
Zur Veröffentlichung in Z. Krist.
- C. PAULMANN, R. KURTZ, U. BISMAYER
Software Development for Studies of Diffuse Scattering Using CCD-Detectors and Synchrotron Radiation Sources.
Zur Veröffentlichung in Nucl. Instrum. Methods A
- R. PEETZ, O. NARWARK, O. HERZOG, S. BROCKE, E. THORN-CSÁNYI
Ringsubstituted PV Oligomers Synthesized via Olefin Metathesis: Fluorescence Properties.
Zur Veröffentlichung in Synth. Met.
- E. PÉREZ, R. BENAVENTE, R. QUIJADA, A. NARVÁEZ, G. BARRERA GALLAND
Structure Characterization of Copolymers of Ethylene and 1-Octadecene.
J. Polym. Sci. Polym. Phys. 38 (2000) 1440
- E. PÉREZ, A. DEL CAMPO, A. BELLO, R. BENAVENTE
Synchrotron X-Ray Study of the Phase Transitions in Liquid Crystal Polyesters Derived from p,p'-Bibenzic Acid and Meso and R-3-Methyl-1,6-Hexanediol.
Macromolecules 33 (2000) 3023
- F. PETERS, K. SCHWARZ, M. EPPLER
The Structure of Bone Studied with Synchrotron X-Ray Diffraction, X-Ray Absorption Spectroscopy and Thermal Analysis.
Thermochim. Acta 361 (2000) 131
- S. PICCAROLO, V. BRUCATO, Z. KIFLIE
Non-Isothermal Crystallization Kinetics of PET.
Polym. Eng. & Sci. 40 (2000) 1263
- U. PIETSCH
Investigation of Semiconductor Surfaces and Interfaces by X-Ray Grazing-Incidence Diffraction.
Current Sci. 78 (2000) 1201

- A. PLECH, U. KLEMRADT, M. HUBER, J. PEISL
Wetting Transition of a Binary Liquid Mixture at a Solid Boundary.
Europhys. Lett. 49 (2000) 583
- A. PLECH, U. KLEMRADT, J. PEISL
Wetting Transition and Pretransitional Thin Films in a Binary Liquid Mixture.
Zur Veröffentlichung in *J. Phys.: Condens. Matter*
- P. POLOUCEK, U. PIETSCH, T. GEUE, C. SYMIETZ, G. BREZESINSKI
X-Ray Reflectivity Analysis of Thin Complex LB-Films.
Zur Veröffentlichung in *J. Phys. D*
- U. PONKRATZ, R. NICULA, A. JIANU, E. BURKEL
High-Pressure X-Ray Diffraction Experiments on Icosahedral Ti-Zr-Ni – Unusual Effects due to a Low Shear Modulus and a High Poisson's Ratio.
J. Phys.: Condens. Matter 12 (2000) 8071
- D. POSPIECH, L. HÄUSSLER, K. ECKSTEIN, D. JEHNICHEN, A. GOTTWALD, P. PÖTSCHKE
The Influence of Segmented Block Copolymers in Immiscible Polymer Blends.
Zur Veröffentlichung in *Macromol. Symposia*
- D. POSPIECH, L. HÄUSSLER, K. ECKSTEIN, H. KOMBER, D. VOIGT, D. JEHNICHEN, P. FRIEDEL, A. GOTTWALD, W. KOLLIG, H.R. KRICHELDORF
Synthesis of High-Performance Multiblock Copolymers by Polycondensation Reactions in the Melt.
Zur Veröffentlichung in *High Performance Polymers*
- G. PRÜMPER, B. ZIMMERMANN, B. LANGER, J. VIEFHAUS, R. HENTGES, N.A. CHEREPKOV, B. SCHMIDTKE, M. DRESCHER, U. HEINZMANN, U. BECKER, H. KLEINPOPPEN
Sudden Interchannel Coupling in the Tl 6p Ionization above the 5d Threshold.
Zur Veröffentlichung in *Phys. Rev. Lett.*
- V.A. PUSTOVAROV, A.V. KRUSHALOV, V.L. PETROV, B.V. SHULGIN, M. KIRM, G. ZIMMERER
Optical and Luminescent VUV Spectroscopy of $\text{La}_2\text{Be}_2\text{O}_5$ Single Crystals.
Physics of Solid State 42 (2000) 246
(Transl. from *Fizika Tverdogo Tela*)
- V.A. PUSTOVAROV, B.V. SHULGIN, M. KIRM, M.M. KIDIBAEV, A.A. ZHAMANGULOV
Vacuum Ultraviolet Spectroscopy of LiF-U,Cu and NaF-U,Cu Crystals.
Optics and Spectrosc. 88 (2000) 713
(Transl. from *Optica i Spektrosk.*)
- A. RAJAGOPAL, N. KOCH, J. GHIJSEN, R.L. JOHNSON, K. KAERIYAMA, G. LEISING, J.J. PIREAUX
Interfacial Electronic Structure for Ca and an Electroluminescent Polymer – Poly(2,5-diheptyl-1,4-phenylene-alt-2,5-thienylene).
J. Appl. Phys. 87 (2000) 1331
- H. RAPAPORT, I. KUZMENKO, M. BERFELD, K. KJAER, J. ALS-NIELSEN, R. POPOVITZ-BIRO, I. WEISSBUCH, M. LAHAV, L. LEISEROWITZ
From Nucleation to Engineering of Crystalline Architectures at Air-Liquid Interfaces.
J. Phys. Chem. B 104 (2000) 1399
- G. RAPP, S.S. FUNARI, F. RICHTER, D. WOO
X-Ray Diffraction Studies on the Effect of Additives on the Phase Behaviour of Lipids.
In: *Lipid Bilayers. Structure and Interactions*, J. Katsaras, T. Gutberlet (Eds.), Springer Heidelberg/D (2000)
- M. RAPPOLT, G. PABST, G. RAPP, M. KRIECHBAUM, H. AMENITSCH, C. KRENN, S. BERNSTORFF, P. LAGGNER
New Evidence for Gel-Liquid Crystalline Phase Co-Existence in the Ripple Phase of Phosphatidylcholines.
Eur. Biophys. J. 29 (2000) 125
- F.B. RASMUSSEN, A.M. MOLENBROEK, B.S. CLAUSEN, R. FEIDENHANS'L
Particle Size Distribution of an Ni/SiO₂ Catalyst Determined by ASAXS.
J. Catalysis 190 (2000) 205
- B. RAUSCHENBACH, J.W. GERLACH
Texture Development in Titanium Nitride Films Grown by Low-Energy Ion Assisted Deposition.
Crystal Res. Technol. (2000) 675
- M. REHBEIN, M. EPPLE, R.D. FISCHER
Preparation of Nanocrystalline Metal Oxides and Intermetallic Phases by Controlled Thermolysis of Organometallic Coordination Polymers.
Solid State Sci. 2 (2000) 473
- D. REHDER, C. SCHULZKE, H. DAU, C. MEINKE, J. HANSS, M. EPPLE
Water and Bromide in the Active Center of Vanadate-Dependent Haloperoxidases.
J. Inorganic Biochem. 80 (2000) 115
- H. REICHERT, O. KLEIN, H. DOSCH, M. DENK, V. HONKIMÄKI, T. LIPPMANN, G. REITER
Orientational Alignment and Local Symmetry of Liquid Lead in Contact with a Si(001) Wall.
Zur Veröffentlichung in *Nature*
- B. REINHOLD, M. WIENECKE
Shallow Doping of Wide-Band Gap II-VI-Compounds.
Physica B 273-274 (2000) 856
- R. REININGER, J. FELDHAUS, P. GÜRTLER, J. BAHRDT
Wavefront Propagation through Beamline Designed for Seeding the DESY XUV FEL.
Zur Veröffentlichung in *Nucl. Instrum. Methods A*
- N. REITZEL, D.R. GREVE, K. KJAER, P.B. HOWES, M. JAYARAMAN, S. SAVOY, R.D. MCCULLOUGH, J.T. MCDEVITT, T. BJÖRNHOLM
Self-Assembly of Conjugated Polymers at the Air/Water Interface. Structure and Properties of Langmuir and Langmuir-Blodgett Films of Amphiphilic Regioregular Polythiophenes.
J. Am. Chem. Soc. 122 (2000) 5788

- B. RENNER, C. HAMMERL, B. RAUSCHENBACH
Formation of Buried Oxide Layers in Molybdenum by High-Fluence Oxygen Ion Implantation.
Nucl. Instrum. Methods B160 (2000) 363
- T. RESSLER, R.E. JENTOFT, J. WIENOLD, M.M. GÜNTNER, O. TIMPE
In situ X-Ray Absorption and Diffraction Studies on the Formation of Molybdenum Suboxides during Reduction of MoO₃.
J. Phys. Chem. B104 (2000) 6360
- T. RESSLER, R.E. JENTOFT, J. WIENOLD, O. TIMPE
Solid State Kinetics from Time-Resolved in situ XAFS Investigations: Reduction and Oxidation of Molybdenum Oxides.
Zur Veröffentlichung in J. Synchrotron Rad.
- T. RESSLER, J. WIENOLD, R.E. JENTOFT
Formation of Bronzes during Temperature-Programmed Reduction of MoO₃ with Hydrogen – An in situ XRD and XAFS Study.
Zur Veröffentlichung in Solid State Ionics
- T. RESSLER, J. WIENOLD, R.E. JENTOFT, M.M. GÜNTNER
Kinetics of Solid-State Reactions in Heterogeneous Catalysis from Time-Resolved X-Ray Absorption Spectroscopy.
Zur Veröffentlichung in Topics in Catalysis
- T. ROCH, V. HOLY, A. DANIEL, E. HÖFLINGER, M. MEDUNA, T.H. METZGER, G. BAUER, J. ZHU, K. BRUNNER, G. ABSTREITER
X-Ray Studies on Self-Organized Wires in SiGe/Si Multilayers.
Zur Veröffentlichung in J. Phys. D: Appl. Phys.
- T. ROCH, V. HOLY, J. STANGL, E. HÖFLINGER, A. DANIEL, G. BAUER, I. KEGEL, H. METZGER, J. ZHU, K. BRUNNER, G. ABSTREITER
Structural Investigations on Self-Organized Si/SiGe Islands by Grazing Incidence Small Angle X-Ray Scattering.
Zur Veröffentlichung in phys. stat. sol.
- J. ROCKENBERGER, U. ZUM FELDE, M. TISCHER, L. TRÖGER, M. HAASE, H. WELLER
Near Edge X-Ray Absorption Fine Structure Measurements (XANES) and Extended X-Ray Absorption Fine Structure Measurements (EXAFS) of the Valence State and Coordination of Antimony in Doped Nanocrystalline SnO₂.
J. Chem. Phys. 112 (2000) 4296
- P.A. RODNYI, V.B. MIKHAILIK, G.B. STRYGANYUK, A.S. VOLOSHINOVSKII, C.W.E. VAN EIJK, G.F. ZIMMERER
Luminescence Properties of Ce-Doped CS₂LiLaCl₆ Crystals.
J. Luminesc. 86 (2000) 161
- J. RÖHLER
Plane Dimpling and Cu 4s Hybridization in YBa₂Cu₃O_x.
Physica B284-288 (2000) 1041
- R. RÖHLSBERGER, T.S. TOELLNER, W. STURHAHN, K.W. QUAIST, E.E. ALP, A. BERNHARD, E. BURKEL, O. LEUPOLD, E. GERDAU
Coherent Resonant X-Ray Scattering from a Rotating Medium.
Phys. Rev. Lett. 84 (2000) 1007
- R. ROMBERG, S.P. FRIGO, A. OGURTSOV, P. FEULNER, D. MENZEL
Photon Stimulated Desorption of Neutral Hydrogen Atoms from Condensed Water and Ammonia by Resonant O1s and N1s Excitation: Search for the Signature of Ultrafast Bond Breaking.
Surf. Sci. 451 (2000) 116
- R. ROMBERG, N. HECKMAIR, S.P. FRIGO, A. OGURTSOV, D. MENZEL, P. FEULNER
Atom-Selective Bondbreaking in a Chemisorbed Homonuclear Molecule Induced by Core Excitations: N₂/Ru(001).
Phys. Rev. Lett. 84 (2000) 374
- Bond Surgery.
Chem. & Engin. News 78 (2000) 36
- Breaking the Bonds you Choose.
APS Focus 4 (2000)
- C. ROSENBLAD, J. STANGL, E. MÜLLER, G. BAUER, H. VON KÄNEL
Strain Relaxation of Graded SiGe Buffers Grown at Very High Rates.
Mater. Sci. & Eng. B71 (2000) 20
- E. ROSSMANITH
Approximate Calculation of Multiple Diffraction Patterns Based on Renninger's Kinematical Simplest Approach.
J. Appl. Cryst. 33 (2000) 921
- Extinction Corrected Mean Thickness and Integral Width Used in the Program UMWEG98.
J. Appl. Cryst. 33 (2000) 330
- Kinematical Intensity Profiles Obtained for Single and Multiple Diffraction in Perfect Spherical Crystals.
J. Appl. Cryst. 33 (2000) 323
- Kinematical Two-Dimensional Multiple Diffraction Intensity Profiles. Application to $\omega - \psi$ -Scans Obtained with CuK α Radiation.
Zur Veröffentlichung in J. Appl. Cryst.
- Kinematical Two-Dimensional Multiple Diffraction Intensity Profiles. Application to $\omega - \psi$ -Scans of Silicon and Diamond Obtained with Synchrotron Radiation.
Zur Veröffentlichung in J. Appl. Cryst.
- Response to the Comments on Extinction Corrected Mean Thickness and Integrated Width Used in the Program UMWEG98 by Larsen & Thorkildsen.
Zur Veröffentlichung in J. Appl. Cryst.
- K. ROSSNAGEL, L. KIPP, M. SKIBOWSKI, S. HARM
A High Performance Angle-Resolving Electron Spectrometer.
Zur Veröffentlichung in Nucl. Instrum. Methods A
- S. RUBINI, B. BONANNI, E. PELUCCHI, A. FRANCIOSI, A. GARULLI, A. PARISINI, Y. ZHUANG, G. BAUER, V. HOLY
ZnSe/CdTe/ZnSe Heterostructures.
J. Vac. Sci. Technol. B18 (2000) 2263
- S. RUBINI, E. MILOCCO, L. SORBA, E. PELUCCHI, A. FRANCIOSI, A. GARULLI, A. PARISINI, Y. ZHUANG, G. BAUER
Structural and Electronic Properties of ZnSe/AlAs Heterojunctions.
Zur Veröffentlichung in Phys. Rev. B

- D.R. RUEDA, M.C. GARCIA GUTIERREZ, F.J. BALTÀ CALLEJA, S. PICCAROLO
Structural Development in Amorphous PET as Revealed by Microhardness: Physical Ageing and Creep Behaviour.
Zur Veröffentlichung in *Polymer*
- E. RÜHL, U. ROCKLAND, H. BAUMGÄRTEL, O. LÖSKING, M. BINNEWIES, H. WILLNER
Photoionization Mass Spectrometry of Chlorine Oxides.
Zur Veröffentlichung in *Int. J. Mass Spectrom.*
- P.M. SACHS, H.F. GRAF
The Volcanic Impact on Global Atmosphere and Climate.
In: *Climate of the 21st Century: Changes and Risks – Scientific Facts*, L. Lozán et al. (Eds.), Verlag GEO (2000)
- P.M. SACHS, T.H. HANSTEIN
Pleistocene Underplating and Metasomatism of Lower Continental Crust: A Xenolith Study.
J. Petrol. 41 (2000) 331
- P.M. SACHS, E. HARMS
Atmospheric Release of Br, I, Cl, F and SO₂ by the Laacher See Volcanic Eruption (Germany), 12900 BP.
Z. Eur. J. Mineral. 12 (2000) 174
- N. SAITO, A. HEMPELMANN, F. HEISER, O. HEMMERS, K. WIELICZEK, J. VIEFHAUS, U. BECKER
Lifetime Effects on the Dissociation of Core Excited N₂ and CO Molecules.
Phys. Rev. A 61 (2000) 022709
- E.K.H. SALJE, U. BISMAYER, S. HAYWARD, J. NOVAK
Twin Walls and Hierarchical Mesoscopic Structures.
Mineralog. Mag. 64 (2000) 201
- D. SAPOUNDJIEVA, S. PICCAROLO, A. MARTORANA
Structural and Morphological Rearrangements in Quenched Polyethylene by Simultaneous SAXS/WAXD.
Zur Veröffentlichung in *J. Macromol. Sci.*
- T. SATTLER, T. TSCHENTSCHER, J.R. SCHNEIDER, M. VOS, A.S. KHEIFETS, D.R. LUN, E. WEIGOLD, G. DOLLINGER, H. BROSS, F. BELL
The Anisotropy of the Electron Momentum Density of Graphite Studied by ($\gamma, e\gamma$) and ($e, 2e$) Spectroscopy.
Zur Veröffentlichung in *Phys. Rev. B*
- M. SCHALKE, P. KRÜGER, M. WEYGAND, M. LÖSCHE
Submolecular Organization of DMPA in Surface Monolayers.
Biophys. J. 78 (2000) 486A
- Submolecular Organization of DMPA in Surface Monolayers: Beyond the Two-Layer Model.
Biochim. Biophys. Acta 1464 (2000) 113
- M. SCHALKE, M. LÖSCHE
Phospholipid Surface Monolayer Structure from X-Ray and Neutron Reflectometry Measurements.
Zur Veröffentlichung in *Biochim. Biophys. Acta*
- W. SCHINDLER, T. KOOP, A. KAZIMIROV, G. SCHERB, J. ZEGENHAGEN, T. SCHULTZ, R. FEIDENHANS'L, J. KIRSCHNER
Non-Coherent Growth Patches in Pseudomorphic Films: Unusual Strain Relief in Electrodeposited Co on Cu(001).
Surf. Sci. 465 (2000) L783
- H. SCHLENZ, A. KIRFEL, K. SCHULMEISTER, N. WARTNER, W. MADER, W. RABERG, K. WANDEL, C. OLIGSCHLEGER, S. BENDER, R. FRANKE, J. HORMES, W. HOFFBAUER, V. LANSMANN, M. JANSEN, N. ZOTOV, C. MARIAN, H. PUTZ
Structure Analyses of Ba-Silicate Glasses: A Collaborative Study.
Zur Veröffentlichung in *J. Non-Cryst. Solids*,
- J.P. SCHLOMKA, M. TOLAN, W. PRESS
In-situ Growth Study of NiMnSb Films on MgO(001) and Si(001).
Appl. Phys. Lett. 76 (2000) 2005
- J. SCHMELZER, U. LEMBKE, R. KRANOLD
Nucleation and Growth of AgCl Clusters in a Sodium Borate Glass: Numerical Analysis and SAXS Results.
J. Chem. Phys. 113 (2000) 1268
- G. SCHMIDT, U. HAHN, M. MESCHKAT, F. RIDOUTT
First Results of the High Resolution Wire Scanners for Beam Profile and Absolute Beam Position Measurement at the TTF.
Zur Veröffentlichung in *Nucl. Instrum. Methods A*
- T. SCHMIDT, J. FALTA, G. MATERLIK
Initial Stage of the Bi Surfactant Mediated-Growth of Ge on Si(111): A Structural Study.
Appl. Surf. Sci. 166 (2000) 399
- V. SCHÜNEMANN, H. WINKLER
Structure and Dynamics of Biomolecules Studied by Mößbauer Spectroscopy.
Rep. Prog. Phys. 61 (2000) 263
- C. SCHUMACHER, A. BADER, W. FASCHINGER
Lateral Elastic Strain Relaxation during MBE Growth into Shadow Masks.
Zur Veröffentlichung in *J. Phys. D: Appl. Phys.*
- K.O. SCHWEITZ, J. BØTTIGER, J. CHEVALLIER, R. FEIDENHANS'L, M.M. NIELSEN, F.B. RASMUSSEN
Interface Stress in Au/Ni Multilayers.
J. Appl. Phys. 88 (2000) 1401
- O.H. SEECK
Continuum Description: Grazing Incidence Neutron Diffraction.
In: *Neutron Scattering*, Forschungszentrum Jülich GmbH, T. Brückel et al. (Eds.) (2000)
- O.H. SEECK, I.D. KAENDLER, S.K. SINHA, M. TOLAN, K. SHIN, M.H. RAFAILOVICH, J. SOKOLOV, R. KOLB
Analysis of X-Ray Reflectivity Data from Low Contrast Polymer Bilayers Using a Fourier Method.
Appl. Phys. Lett. 76 (2000) 2713
- O.H. SEECK, S.K. SINHA, I.D. KAENDLER, D. SHU, K. SHIN, M. RAFAILOVICH, J. SOKOLOV, M. TOLAN
Interfacial Properties of Soft Matter Thin Films Studied by X-Ray Scattering.
In: *Interfacial Properties on the Submicron Scale*, J. Frommer, R. Overney (Eds.), ACS/Oxford Press (2000)

- O.H. SEECK, S.K. SINHA, I.D. KAENDLER, J. WANG
Investigation of Confined Liquids with X-Ray and Neutron Scattering.
In: Exploration of Subsurface Phenomena by Particle Scattering, N.Q. Lam et al. (Eds.), IAS Press (2000)
- C. SELLE, U. DIETRICH, P. KRÜGER, M. WEYGAND, B. KOHLSTRUNK, T.R. JENSEN, M. LÖSCHE
Structure of Phosphoinositolphosphate Monolayers at the Air/Water Interface.
Eur. Biophys. J. 29 (2000) 297
- D. SENTENAC, A. FERA, R. OPITZ, B.I. OSTROVSKII, O. BUNK, W.H. DE JEU
X-Ray Scattering from Freely Suspended Smectic Films: Resolution and other Effects.
Physica B283 (2000) 232
- Y.V. SHVYD'KO, E. GERDAU, M. GERKAN, M. LUCHT, M. LERCHE, H.D. RÜTER, H.C. WILLE, P. MCNALLY, W. CHEN, E. ALP, H. SINN, J. SUTTER, A. ALATAS, T. TUOMI
Bragg Backscattering Mirrors for X-Rays and Mößbauer Radiation.
Zur Veröffentlich. in Nucl. Instrum. Methods A
- S. SIEGEL, D. VOLLHARDT, G. BREZESINSKI, F. BRINGEZU, H. MÖHWALD
Ordering in Langmuir Monolayers of Branched Chain Phospholipids.
Zur Veröffentlich. in Mater. Sci. Engin. C
- L. SIMON, J.G. VAN OMMEN, A. JENTYS, J.A. LERCHER
In situ XANES Study of Pt/Mordenite during Benzene Hydrogenation in the Presence of Thiophene.
Zur Veröffentlich. in J. Phys. Chem.
- Sulfur Tolerance of Pt Supported on LTL Zeolite for Benzene Hydrogenation.
Zur Veröffentlich. in J. Catalysis
- H. SIRRINGHAUS, P.J. BROWN, R.H. FRIEND, M.M. NIELSEN, K. BECHGAARD, B.M.W. LANGEVELD-VOSS, A.J.H. SPIERING, R.A.J. JANSSEN, E.W. MEIJER
Microstructure-Mobility Correlation in Self-Organised, Conjugated Polymer Field-Effect Transistors.
Synth. Met. 111 (2000) 129
- S. SIX, J.W. GERLACH, B. RAUSCHENBACH
Epitaxial Aluminum Nitride Films on Sapphire Formed by Pulsed Laser Deposition.
Thin Solid Films 370 (2000) 1
- G. SNELL, E. KUKK, B. LANGER, N. BERRAH
Angular Distribution Measurements of the Xenon $N_{4,5} O_{2,3} O_{2,3}$ Auger Electrons: Determination of Alignment and Intrinsic Parameters.
Phys. Rev. A61 (2000) 042709
- G. SNELL, N. MÜLLER, M. DRESCHER, U. HEINZMANN, U. HERGENHAHN, J. VIEFHAUS, U. BECKER
Photoionization of the Xenon N-O-Shells in the 4d Shape Resonance: New Insights Using Spin-Resolved Electron Spectroscopy.
Zur Veröffentlich. in Phys. Rev. A
- V.L. SOLOZHENKO
Synchrotron Radiation Studies of Kinetics and Mechanism of cBN Synthesis.
In: Science and Technology of High Pressure, Vol. 2, Univ. Press, Hyderabad/IND (2000)
- V.L. SOLOZHENKO, F.D. MEYER, H. HILLEBRECHT
300-K Equation of State and High-Pressure Phase Stability of Al_3BC_3 .
J. Solid State Chem. 154 (2000) 254
- V.L. SOLOZHENKO, I.A. PETRUSHA, F. ELF
In-situ Studies of the Threshold Pressure of the rBN-to-wBN Transformation.
In: Science and Technology of High Pressure, Vol. 2, Univ. Press Hyderabad/IND (2000)
- G. SPRINGHOLZ, M. PINCZOLITS, V. HOLY, S. ZERLAUTH, I. VAVRA, G. BAUER
Vertical and Lateral Ordering in Self-Organized Quantum Dot Superlattices.
Zur Veröffentlich. in Physica E
- A. SQUIRES, R.H. TEMPLER, O. CES, A. GABKE, J. WOENCKHAUS, J.M. SEDDON, R. WINTER
The Kinetics of Lyotropic Phase Transitions Involving the Inverse Bicontinuous Cubic Phases.
Langmuir 16 (2000) 3578
- J. STAHN, T. GEUE, J. GRENZER, U. PIETSCH
Interaction of Short-Chain Alkanes with Surface and Interfaces of Multilayer Films Built from Amphiphilic Molecules: An in-situ X-Ray and Neutron Scattering Probe.
Langmuir 16 (2000) 7764
- J. STAHN, U. PIETSCH, P. BLAHA, K.H. SCHWARZ
Electric Field Induced Charge-Density Variations in Covalently Bonded Compounds.
Zur Veröffentlich. in Phys. Rev. B
- J. STANGL, V. HOLY, T. ROCH, A. DANIEL, G. BAUER, J. ZHU, K. BRUNNER, G. ABSTREITER
GISAXS Study of Buried and Freestanding SiGe Islands in a SiGe/Si Superlattice.
Phys. Rev. B62 (2000) 7229
- F. STARROST, E. KRASOVSKII, W. SCHATTKE, J. JOCKEL, U. SIMON, R. ADELUNG, L. KIPP
Cetiteites: Electronic, Optical, and Conduction Properties of Nanoporous Chalcogenoantimonates.
Phys. Rev. B61 (2000) 15697
- U. STAUB, L. DODERHOLM, S.R. WASSERMANN, F. FAUTH, A.G.O. CONNER, M.J. KRAMER, B. PATTERSON, M. SHI, M. KNAPP
Valence Determination as a Function of Doping in $PrBa_2Cu_3O_7$.
Phys. Rev. B61 (2000) 1548
- C. STERNEMANN, G. DÖRING, C. WITTKOP, W. SCHÜLKE, A. SHUKLA, T. BUSLAPS, P. SUORTTI
Influence of Lattice Dynamics on Electron Momentum Density of Lithium.
J. Phys. Chem. Solids 61 (2000) 379

- C. STERNEMANN, K. HÄMÄLÄINEN, A. KAPROLAT, G. DÖRING, C.C. KAO, S. MANNINEN, W. SCHÜLKE
Final-State Interaction in Compton Scattering from Electron Liquids.
Phys. Rev. B62 (2000) R7687
- C. STERNEMANN, A. KAPROLAT, M.H. KRISCH, W. SCHÜLKE
Evolution of the Germanium K β''' X-Ray Satellites from Threshold to Saturation.
Phys. Rev. A61 (2000) 020501
- J. STREMPFER, T. BRÜCKEL, W. CALIEBE, A. VERNES, W. PRANDL, J.R. SCHNEIDER
Form-Factor Measurement on Chromium with High-Energy Synchrotron Radiation.
Eur. Phys. J. B14 (2000) 92
- M. SUN, T. BÜRGI, R. CATTANEO, R. PRINS
TPS, XPS, and QEXAFS Investigation of the Sulfidation Behavior of Tungsten on Fluorine-Promoted Alumina.
Zur Veröffentlichung in J. Catalysis
- P. SUORTTI, T. BUSLAPS, V. HONKIMÄKI, C. METZ, A. SHUKLA, T. TSCHENTSCHER, J. KWIATKOWSKA, F. MANIAWSKI, A. BANSIL, S. KAPRZYK, A.S. KHEIFETS, D.R. LUN, T. SATTLER, J.R. SCHNEIDER, F. BELL
Fermi-Surface and Electron Correlation in Al Studied by Compton Scattering.
J. Phys. Chem. Solids 61 (2000) 397
- K. SZAMOTA-SADOWSKA, E. GUZIEWICZ, B.J. KOWALSKI, B. LESIAK, J. SADOWSKI, B.A. ORLOWSKI, N. BARRETT, C. GUILLOT, R.L. JOHNSON
Electronic Structure of MBE-Grown CdYbTe: Photoemission Studies.
Thin Solid Films 367 (2000) 193
- W. SZUSZKIEWICZ
Selected Properties of Zinc Blende Mercury Chalcogenides.
In: Physics of Semiconductor Devices, V. Kumar, S.K. Agarwal (Eds.), Allied Publ. New Delhi/IND (2000)
- B. TENCHOV, R. KOYNOVA, G. RAPP
New Ordered Metastable Phases between the Gel and Subgel Phases in Hydrated Phospholipids.
Zur Veröffentlichung in Biophys. J.
- C.M. TEODORESCU, F. CHEVRIER, C. RICHTER, V. ILAKOVAC, O. HECKMANN, L. LECHEVALIER, R. BROCHIER, R.L. JOHNSON, K. HRICOVINI
Structure of Fe Layers Grown on InAs(100).
Appl. Surf. Sci. 166 (2000) 137
- J. THEY, R. KOTTHAUS, G. BUSCHHORN, D. PUGACHEV
A Compton Polarimeter for Parametric X-Radiation.
Zur Veröffentlichung in Nucl. Instrum. Methods A
- E. THORN-CSANYI, O. KLOCKMANN
Morphology of a Homologous Series of Alkyl-Substituted PV Oligomers.
Synth. Met. 101 (2000) 664
- E. THORN-CSANYI, O. NARWARK, R. PEETZ, A. STRACHOTA
Diheptyloxy PV-Oligomers in Solution: Photochemistry.
Synth. Met. 101 (2000) 238
- G. THORWARTH, S. MÄNDL, B. RAUSCHENBACH
Plasma Immersion Ion Implantation Using Titanium and Oxygen Ions.
Surface & Coat. Technol. 128-129 (2000) 116
- M. TIEMANN, M. FRÖBA, G. RAPP, S.S. FUNARI
In situ Small Angle X-Ray Scattering (SAXS) Studies on the Formation of Mesostructured Aluminophosphate/Surfactant Composite Materials.
Stud. Surf. Sci. Catal. 129 (2000) 559
- Non-Aqueous Synthesis of Mesostructured Aluminophosphate/Surfactant Composites: Synthesis, Characterization, and in situ SAXS Studies.
Chem. Mater. 12 (2000) 1342
- M. TOLAN, O.H. SEECK, J. WANG, S.K. SINHA, M.H. RAFAILOVICH, J. SOKOLOV
X-Ray Scattering from Polymer Films.
Physica B283 (2000) 22
- Surface Structure of Soft-Matter Thin Films Probed by Diffuse X-Ray Scattering.
In: Exploration of Subsurface Phenomena by Particle Scattering, N.Q. Lam et al. (Eds.), IAS Press (2000)
- B.L. TOMBERLI, C.J. BENMORE, P.A. EGELSTAFF, J. NEUEFEIND, V. HONKIMÄKI
Isotopic Quantum Effects in Water Structure Measured with High Energy Photon Diffraction.
J. Phys.: Condens. Matter 12 (2000) 2597
- H. TOPSØE
In situ Characterization of Catalysts.
Stud. Surf. Sci. & Catal. 130 (2000) 1
- E. TRATAR PIRC, I. ARCON, P. BUKOVEC, A. KODRE
Preparation and Characterisation of Copper(II) Hyaluronate.
Carbohydr. Res. 324 (2000) 275
- A.X. TRAUTWEIN, H. WINKLER
Biophysical Applications.
Hyperfine Interactions 123-124 (2000) 561
- M. TRAVING, T. SEYDEL, L. KIPP, M. SKIBOWSKI, F. STARROST, E.E. KRASOVSKII, A. PERLOV, W. SCHATTKE
Combined Photoemission and Inverse Photoemission Study of HfS₂.
Zur Veröffentlichung in Phys. Rev. B
- R. TREUSCH, C. GERTH, T. LOKAYCZYK, J. FELDHAUS
Photon Diagnostics on the VUV FEL at DESY: First Lasing around 100 nm.
Zur Veröffentlichung in Nucl. Instrum. Methods A
- V.R. TROLL, P.M. SACHS, H.U. SCHMINCKE
REE Mineral Perrierite in Comenditic Magmas from Gran Canaria, Spain: A SYXRF-Probe Study.
Eur. J. Mineral. 12 (2000) 217

- S. VAN SMAALEN, J. LÜDECKE
The Valence States of Vanadium in the Low-Temperature Super-Structure of NaV_2O_5 .
Europhys. Lett. 49 (2000) 250
- L. VASILIU-DOLOC, S. ROSENKRANZ, R. OSBORN, S.K. SINHA, J.W. LYNN, J. MESOT, O.H. SEECK, G. PREOSTI, A.J. FREDO, J.F. MITCHELL
Charge Melting and Polaron Collapse in $\text{La}_{1.2}\text{Sr}_{1.8}\text{Mn}_2\text{O}_7$.
Adv. Photon Source Res. No. 3 (2000)
- L. VASYLECHKO, A. AKSELRUD, W. MORGENROTH, U. BISMAYER, A. MATKOVSKII, D. SAVYTSKII
The Crystal Structure of NdGaO_3 at 100 K and 293 K Based on Synchrotron Data.
J. Alloys & Compounds 297 (2000) 46
- L. VASYLECHKO, R. NIEWA, H. BORRMANN, M. KNAPP, D. SAVYTSKII, A. MATKOVSKII, U. BISMAYER, M. BERKOWSKI
R-3c – Pbnmp Phase Transition of $\text{La}_{1-x}\text{Sm}_x\text{GaO}_3$ ($0 < x < 0.3$) Perovskites and Crystal Structures of the Orthorhombic and Trigonal Phases.
Zur Veröffentlich. in Solid State Ionics
- L. VASYLECHKO, D. SAVYTSKI, A. MATKOVSKII, M. BERKOWSKI, M. KNAPP, U. BISMAYER
Room and High Temperature Crystal Structures of $\text{La}_{1-x}\text{Nd}_x\text{GaO}_3$ ($x = 0.27$ and 0.37) Using Synchrotron Data.
Zur Veröffentlich. in J. Alloys & Compounds
- A. VERWEYEN, P. WERNET, P. GLATZEL, B. SONNTAG, C. GERTH, K. GODEHUSEN, P. ZIMMERMANN
Resonant 3p Photoelectron Spectroscopy of Free Cu Atoms.
J. Phys. B: At. Mol. Opt. Phys. 33 (2000) 1563
- C. VIROJANADARA, L.I. JOHANSSON, P.A. GLANZ, T. EICKHOFF, W. DRUBE
High Energy Photoemission Investigations of SiO_2/SiC Samples.
Zur Veröffentlich. in Appl. Surf. Sci.
- M. VOGEL, C. MÜNSTER, W. FENZL, T. SALDITT
Thermal Unbinding of Highly Oriented Phospholipid Membranes.
Phys. Rev. Lett. 84 (2000) 390
- V. VOHN, M. KNAPP, U. RUSCHEWITZ
Synthesis and Crystal Structure of SrC_2 .
J. Solid State Chem. 151 (2000) 111
- A. VON DEM BORNE, R.L. JOHNSON, B. SONNTAG, M. TALKENBERG, A. VERWEYEN, P. WERNET, J. SCHULZ, K. TIEDTKE, C. GERTH, B. OBST, P. ZIMMERMANN, J.E. HANSEN
Suppression of the Low-Spin Multiplet Components in the 3p Photoelectron Spectra of Atomic and Solid 3d Metals.
Phys. Rev. A62 (2000) 052703
- K. VON HAEFTEN, T. LAARMANN, H. WABNITZ, T. MÖLLER
A Time Resolved VUV Fluorescence Study of Hydrogen Clusters: Evidence of a Liquid Phase.
J. Electr. Spectrosc. Rel. Phenom. 106 (2000) 199
- M. VON ZIMMERMANN, T. NIEMÖLLER, J.R. SCHNEIDER, T. FRELLO, N.H. ANDERSEN, J. MADSEN, M. KÄLL, O. SCHMIDT, H.F. POULSEN, T. WOLF, R. LIANG, P. DOSANJH, W.N. HARDY
Oxygen Ordering Superstructures and Structural Phase Diagram of $\text{YBa}_2\text{Cu}_3\text{O}_{6+x}$.
Zur Veröffentlich. in Phys. Rev. B
- G. WALTER, U. HOPPE, A. BARZ, R. KRANOLD, D. STACHEL
Intermediate Range Structure of Mixed Phosphate Glasses by X-Ray Diffraction.
J. Non-Cryst. Sol. 263&264 (2000) 48
- N. WANDERKA, M. SEIDEL, S. MECHLER, K. STÄHL, J.Z. JIANG, M.P. MACHT
Formation of Quasicrystals in $\text{Zr}_{46.8}\text{Ti}_{8.2}\text{Cu}_{7.5}\text{Ni}_{10}\text{Be}_{27.5}$ Bulk Glass.
Zur Veröffentlich. in Appl. Phys. Lett.
- L. WCISLAK, J.R. SCHNEIDER, T. TSCHENTSCHER, H. KLEIN, H.J. BUNGE
Hard X-Ray Texture Measurements with an On-Line Image Plate Detector.
Zur Veröffentlich. in Nucl. Instrum. Methods A
- N.B. WEBER, C. BETHKE, F.U. HILLEBRECHT, E. KISKER
Studying Magnetic Materials by High Efficiency Spin Resolved Photoemission, Magnetic Domain Microscopy and Soft X-Ray Magneto-Optics.
Zur Veröffentlich. in Nucl. Instrum. Methods A
- S. WEICHEL, F. GREY, K. RASMUSSEN, M. NIELSEN, R. FEIDENHANS'L, P.B. HOWES, J. VEDDE
Fusion Bonding of Si Wafers Investigated by X-Ray Diffraction.
Appl. Phys. Lett. 76 (2000) 70
- F. WEIGAND, E. GOERING, J. GEISSLER, M. JUSTEN, K. DÖRR, K. RUCK, G. SCHÜTZ
XMCD Study of the Ruddlesden-Popper Phase $\text{La}_{1.2}\text{Nd}_{0.2}\text{Sr}_{1.6}\text{Mn}_2\text{O}_7$.
Zur Veröffentlich. in J. Synchrotron Rad.
- R. WEIMAR, R. ROMBERG, S.P. FRIGO, B. KASSÜHLKE, P. FEULNER
Time-of-flight Techniques for the Investigation of Kinetic Energy Distributions of Ions and Neutrals Desorbed by Core Excitations.
Surf. Sci. 451 (2000) 124
- I. WEISSBUCH, P.N.W. BAXTER, I. KUZMENKO, H. COHEN, S. COHNEN, K. KJAER, P.B. HOWES, J. ALS-NIELSEN, J.M. LEHN, L. LEISEROWITZ, M. LAHAV
Oriented Crystalline Monolayers and Bilayers of 2×2 Silver(I) Grid Architectures at the Air-Solution Interface: Their Assembly and Crystal Structure Elucidation.
Chem. Eur. J. 6 (2000) 725
- T. WEITKAMP, J. NEUEFEIND, H.E. FISCHER, M.D. ZEIDLER
Hydrogen Bonding in Liquid Methanol at Ambient and High Pressures.
Molec. Phys. 98 (2000) 125
- P. WERNET, J. SCHULZ, B. SONNTAG, K. GODEHUSEN, P. ZIMMERMANN, M. MARTINS, C. BETHKE, F.U. HILLEBRECHT

- Core-Valence Interactions in the Linear Dichroism of Cr2p Photoelectron Spectra.
Zur Veröffentlichung in Phys. Rev. B
- M. WEYGAND, M. SCHALKE, P.B. HOWES, K. KJAER, J. FRIEDMANN, B. WETZER, D. PUM, U.B. SLEYTR, M. LÖSCHE
Coupling of Protein Sheet Crystals (S-Layers) to Phospholipid Monolayers.
J. Mater. Chem. 10 (2000) 141
- T. WIEBACH, M. SCHMIDBAUER, M. HANKE, H. RAIDT, R. KÖHLER, H. WAWRA
Strain and Composition in SiGe Nanoscale Islands Studied by X-Ray Scattering.
Phys. Rev. B61 (2000) 5571
- J. WIENOLD, R.E. JENTOFT, T. RESSLER
Phase Formation during the Decomposition of Ammonium Heptamolybdate – An in situ XAFS and XRD Investigation.
Zur Veröffentlichung in J. Synchrotron Rad.
- G. WIRNSBERGER, K. GATTERER, H.P. FRITZER, W. GROGGER, B. PILLEP, P. BEHRENS, M.F. HANSEN, C. BENDER-KOCH
Mesosstructured Iron Oxyhydroxide. 2. Soft Hydrothermal Restructuring Processes.
Zur Veröffentlichung in Chem. Mater.
- G. WIRNSBERGER, K. GATTERER, H.P. FRITZER, W. GROGGER, B. PILLEP, P. BEHRENS, M.F. HANSEN, C. BENDER-KOCH, S. MØRUP
Mesosstructured Iron Oxyhydroxides. 1. Synthesis, Local Structure and Magnetism.
Zur Veröffentlichung in Chem. Mater.
- C. WITTKOP, F.M.F. DE GROOT, W. SCHÜLKE
Magnetic Circular Dichroism in the 2p4d X-Ray Emission of EuO.
Phys. Rev. B61 (2000) 7176
- S. WOEDTKE, A. MEEDER, R. ADELUNG, R. SCHWEDHELM, L. KIPP, M. SKIBOWSKI
Structural Properties of Chlorinated Epitaxial C60 Films.
Zur Veröffentlichung in Phys. Rev. B
- J. WOENCKHAUS, R. KÖHLING, C. ROYER, R. WINTER
Using Pressure-Jump Techniques for Studying Protein Folding.
Europ. Biophys. J. 29 (2000) 274
- A.J. WOJTOWICZ, P. SZUPRYCZYNSKI, W. DROZDOWSKI
Radiative Recombination in Ce-, Pr-, and Tb-Doped Barium Fluoride.
J. Alloys & Compounds 300-301 (2000) 199
- A.J. WOJTOWICZ, P. SZUPRYCZYNSKI, J. GLODO, W. DROZDOWSKI, D. WISNIEWSKI
Radioluminescence and Recombination Processes in BaF₂:Ce.
J. Phys.: Condens. Matter 12 (2000) 4097
- J. WOLLSCHLÄGER, T. HILDEBRANDT, R. KAYSER, J. VIERNOW, A. KLUST, J. BÄTJER, A. HILLE, T. SCHMIDT, J. FALTA
Effects of Electron Irradiation on the Structure and Morphology of CaF₂/Si(111).
Appl. Surf. Sci. 162-163 (2000) 309
- T. WROBLEWSKI, E. WILD, T. POESTE, A. PYZALLA
Processing of X-Ray Diffraction Imaging Data Using Remote Sensing Techniques.
J. Mater. Sci. Lett. 19 (2000) 975
- B.I. ZADNEPROVSKY, E.V. POLYANSKY, I.A. KAMENSKIKH, V.N. KOLOBANOV, V.V. MIKHAILIN, I.N. SHPINKOV, G. ZIMMERER, M. KIRM
Luminescence and Scintillation Properties of PbSO₄ Crystals.
Zur Veröffentlichung in Radiat. Meas.
- B. ZEYSING, T. EICKHOFF, W. DRUBE, A. TERFORT
Improved X-Ray Stability of Self-Assembled Monolayers Made of Aromatic Thiols.
Zur Veröffentlichung in Langmuir
- K. ZHANG, J. FALTA, T. SCHMIDT, C. HEYN, G. MATERLIK, W. HANSEN
Distribution and Shape of Self-Assembled InAs Quantum Dots Grown on GaAs(001).
Pure Appl. Chem. 72 (2000) 199
- K. ZHANG, C. HEYN, W. HANSEN, T. SCHMIDT, J. FALTA
Ordering and Shape of Self-Assembled InAs Quantum Dots on GaAs(001).
Appl. Phys. Lett. 76 (2000) 2229
- Strain Status of Self-Assembled InAs Quantum Dots.
Appl. Phys. Lett. 77 (2000) 1295
- M. ZHANG, E. SALJE, T. MALCHEREK, U. BISMAYER, L.A. GROAT
Dehydration of Metamict Titanite: An Infrared Spectroscopic Study.
Canadian Mineralogist 38 (2000) 119
- J. ZHAO, D. VOLLHARDT, G. BREZESINSKI, S. SIEGEL, J. WU, A.V. MAKIEVSKI, J.B. LI, R. MILLER
Effect of Protein Penetration into Phospholipid Monolayers: Morphology and Structure.
Colloids & Surfaces A171 (2000) 175
- Y. ZHUANG, A. DANIEL, C. SCHELLING, F. SCHÄFFLER, G. BAUER, J. GRENZER, S. SENZ
Optical and Structural Properties of Si/SiGe Wires Grown on Patterned Si Substrates.
Zur Veröffentlichung in Thin Solid Films
- Y. ZHUANG, V. HOLY, J. STANGL, S. ZERLAUTH, F. SCHÄFFLER, G. BAUER, U. PIETSCH, N. DAROWSKI
Inhomogeneous Strain Relaxation in Dry Etched Si/SiGe Wires: A High Resolution X-Ray Diffraction Study.
Zur Veröffentlichung in Phys. Rev. B
- Y. ZHUANG, U. PIETSCH, J. STANGL, V. HOLY, N. DAROWSKI, J. GRENZER, S. ZERLAUTH, F. SCHÄFFLER, G. BAUER
In-Plane Strain and Shape Analysis of Si/SiGe NanoStructures by Grazing Incidence Diffraction.
Physica B283 (2000) 130
- Y. ZHUANG, C. SCHELLING, J. STANGL, C. PENN, S. SENZ, F. SCHÄFFLER, A. DANIEL, U. PIETSCH, G. BAUER
Structural and Optical Properties of Si/Si_{1-x}Ge_x Wires.
Thin Solid Films 369 (2000) 409

Y.X. ZHUANG, J.Z. JIANG, Z.G. LIN, M. MEZOUAR, W. CRICHTON, A. INOUE
Evidence of Eutectic Crystallization and Transient Nucleation in $Al_{89}La_6Ni_5$ Amorphous Alloy.
Zur Veröffentlich. in Appl. Phys. Lett.

Y.X. ZHUANG, J.Z. JIANG, T.J. ZHOU, H. RASMUSSEN, L. GERWARD, M. MEZOUAR, W. CRICHTON, A. INOUE
Pressure Effects on $Al_{89}La_6Ni_5$ Amorphous Alloy Crystallization.
Zur Veröffentlich. in Appl. Phys. Lett.

J.C. ZIEGLER, O. BUNK, G. SCHERB, A. KAZIMIROV, L.X. CAO, J. ZEGENHAGEN
In situ X-Ray Investigation of the Structure of Electrodeposited Pb on Si(111):H.
Surf. Sci. 452 (2000) 150

J.C. ZIEGLER, A. REITZKE, O. BUNK, J. ZEGENHAGEN, D.M. KOLB
Metal Deposition on n-Si(111):H Electrodes.
Zur Veröffentlich. in Electrochim. Acta

K.M. ZIMMERMANN, M. TOLAN, R. WEBER, J. STETTNER, A.K. DOERR, W. PRESS
Phase Determination of X-Ray Reflection Coefficients.
Phys. Rev. B62 (2000) 10377

L. ZUPANC-MEZNAR, R. CERC-KOROŠEC, P. BUKOVEC, J. PADEZNIK GOMILŠEK
 Eu^{3+} -Activated Silica Prepared by the Alkoxide Sol-Gel Method.
J. Vac. Sci. Technol. B18 (2000) 1097

Veröffentlichte Vorträge

V.E. ANTONOV, O.I. BARKALOV, M. CALDO-DAHLBORG, U. DAHLBORG, V.F. FEDOTOV, A.I. HARUNKOV, T. HANSEN, E.G. PONYATOVSKY, M. WINZENICK
Phase Transformations of the Amorphous Zn-Sb Alloy under High Pressures.
Proc. of NSHP-II (High Pressure Res. 17 (2000))

I. ARCON, A. KODRE
Material Characterisation by X-Ray Absorption Spectroscopy.
Proc. of the Int. Conf. of MIDEM, Postojna/SLO (2000)

I.O. BASHKIN, V.K. FEDOTOV, H.J. HESSE, A. SCHIWEK, W.B. HOLZAPFEL, E.G. PONYATOVSKY
A Synchrotron Study of High-Pressure Transformations in $TiH_{0.74}$.
Proc. of NSHP-II (High Pressure Res. 17 (2000))

F. BECKMANN, U. BONSE
Attenuation- and Phase-Contrast Microtomography Using Synchrotron Radiation for the 3-Dimensional Investigation of Specimens Consisting of Elements with Low and Medium Absorption.
In: Applications of Synchrotron Radiation Techniques to Materials Science V, S.R. Stock et al. (Eds.) (MRS Proc. Vol. 590 (2000))

F. BECKMANN, T. LIPPMANN, U. BONSE
High-Energy Microtomography Using Synchrotron Radiation.
Proc. of SPIE 4142 (2000)

B. BÜHN, F. WALL, M.J. LE BAS
Synchrotron Micro-XRF Analysis of Magmatic, Carbonatitic Fluorapatites: Implications for the Evolution of Carbonatite Magmas.
In: Modern Microbeam Techniques Applied to Fluid and Solid Species, IGC, Rio de Janeiro/BR (2000)

O. DEGTYAREVA, W.B. HOLZAPFEL
High Pressure Phase Diagrams of Binary Lanthanide Alloys between La, Ce, and Pr.
Proc. of the 37th EHPRG (High Pressure Res. 18 (2000))

M. DUBIEL, C. MOHR, S. BRUNSCH, H. HOFMEISTER
Nanoscale Ag Particles in Glass Studied by HREM and EXAFS.
Proc. of EUREM 12, Brno/CZ (2000)

S. EBBINGHAUS, A. RELLER, R. KÖHN, M. FRÖBA, P. FORTUNATO
Redox Processes in Polynary Copper Oxides and Copper Oxide/Mesoporous Silica Composites.
Mat. Res. Soc. Symp. Proc. 547 (2000)

J. FELDHAUS
Status and Perspectives of Single-Pass Free Electron Lasers for Short Wavelengths.
Proc. of the 7th Int. Conf. on X-Ray Lasers, Saint-Malo/F (2000)

U. HAHN, W. GRAEFF
Civil Engineering for the X-FEL Multi User Facility at DESY.
Proc. of SPIE, 45th Annual Meeting, San Diego/USA (2000)

V. HOLY, J. STANGL, G. SPRINGHOLZ, M. PINCZOLITS, G. BAUER
Lateral and Vertical Ordering of PbSe Self-Assembled Quantum Dots in PbSe/PbEuTe Superlattices.
Mat. Res. Soc. Proceedings (2000)

X. HUANG, J.A. WERT, H.F. POULSEN, N.C. KRIEGER LASSSEN, F. INOKO
Characterization of Deformation Structure and Recrystallization in Tensile Deformed (100)Aluminum Single Crystal.
Proc. of the 21st Risø Int. Sympos. on Mater. Sci., Risø/DK (2000)

T. ITTNER, P. MÜLLER-BUSCHBAUM, W. PETRY
Surface Controlled Tack of Polymers.
Proc. of „Polymerwerkstoffe 2000“, Halle/D (2000)

V.YU. IVANOV, V.A. PUSTOVAROV, A.V. KRUSHALOV, M. KIRM, G. ZIMMERER, E.I. ZININ
Fast Exciton Relaxation in Oriented BeO Crystals after Pulse X-Ray and VUV Excitations.
Proc. of the 11th Int. Conf. on Radiation Physics and Chemistry of Condensed Matter, Tomsk/RUS (2000)

J.Z. JIANG, L. GERWARD, J.S. OLSEN, D. FROST, R. SECCO, J. PEYRONNEAU
Structural Stability of Nanocrystal ZnS .
Proc. of the Int. Sympos. on Metastable, Mechanically Alloyed and Nanocryst. Mater., Dresden/D (2000) (Mat. Sci. Forum 343-346 (2000))

- D. JUUL JENSEN, H.F. POULSEN
Recrystallization in 3D.
Proc. of the 21st Risø Int. Sympos. on Mater. Sci., Risø/DK (2000)
- I.A. KAMENSKIKH, M. KIRM, V.N. KOLOBANOV, V.V. MIKHAILIN, P.A. OREKHANOV, I.N. SHPINKOV, A.N. VASILEV, G. ZIMMERER
Luminescence and Electronic Structure of Calcium and Lead Tungstates and Sulphates.
Proc. of the 5th Int. Conf. on Inorganic Scintillators and their Applications, Moscow/RUS (2000)
- A. KAPROLAT, H. ENKISCH, M.H. KRISCH, W. SCHÜLKE
Electronic States of Metals and Alloys Investigated by High-Resolution Bloch-k Selective X-Ray Raman Scattering.
Proc. of the 18th Int Conf. on X-Ray and Inner-Shell Processes, Chicago/USA (1999) (AIP Conf. Proc. 506 (2000))
- M. KIRM, A. LUSHCHIK, C. LUSHCHIK, S. VIELHAUER, G. ZIMMERER
Influence of Uniaxial Stress and External Electric Field on Luminescence of KI Crystals under Selective VUV Excitation.
Proc. of the 5th Int. Conf. on Inorganic Scintillators and their Applications, Moscow/RUS (2000)
- M. KIRM, A. LUSHCHIK, C. LUSHCHIK, G. ZIMMERER
Investigation of Pure and Ce^{3+} Doped $Y_3Al_5O_{12}$ Crystals Using VUV Radiation.
In: Physics and Chemistry of Luminescent Materials, C. Ronda et al. (Eds.), PV 99-40, The Electrochem. Soc. Proc. Series, Pennington/USA (2000)
- M. KIRM, V. MIKHAILIN, A. ROMANENKO, N. SEMENOVA, I. SHPINKOV, G. ZIMMERER, M. DANILKIN,
SR Excited Photoluminescence Spectra of CaS:Ce and CaS:Eu.
Abstracts of the Int. Workshop on Medical Appl. of Scintillators, Irkutsk/RUS (2000)
- V. KISAND, E. GMINDER, M. KIRM, B. STEEG, S. VIELHAUER, G. ZIMMERER
Discrimination between Different Free Exciton Creation Processes in Solid Krypton.
Proc. of the 5th Int. Conf. on Inorganic Scintillators and their Applications, Moscow/RUS (2000)
- V.N. KOLOBANOV, V.V. MIKHAILIN, I.N. SHPINKOV, D.A. SPASSKY, M. KIRM, G. ZIMMERER, V.N. MAKHOV
Optical Properties of Cadmium and Zinc Tungstate Single Crystals.
Proc. of the 5th Int. Conf. on Inorganic Scintillators and their Applications, Moscow/RUS (2000)
- K.Y.C. LEE, J. MAJEWSKI, T.L. KUHL, P.B. HOWES, K. KJAER, M.M. LIPP, A.J. WARING, J.A. ZASADZINSKI, G.S. SMITH
The Incorporation of Lung Surfactant Specific Protein SP-B into Lipid Monolayers at the Air-Fluid Interface: A Grazing Incidence X-Ray Diffraction Study.
In: Applications of Synchrotron Radiation Techniques to Materials Science V, S.R. Stock et al. (Eds.) (MRS Proc. Vol. 590 (2000))
- C. LORENZ-HAAS, T. ITTNER, J. KRAUS, B. MAHLTIG, S. CUNIS, G. VON KROSIGK, R. GEHRKE, P. MÜLLER-BUSCHBAUM, C. CRETON, M. STAMM
Adhesion and Failure Mechanisms at Polymer Interfaces.
Proc. of „Polymerwerkstoffe 2000“, Halle/D (2000)
- D. LOWNEY, P.J. MCNALLY, M. O'HARE, P.A.F. HERBERT, T. TUOMI, R. RANTAMÄKI, M. KARILAHTI, A.N. DANILEWSKY
Failure Analysis of LED Arrays Using White Beam Synchrotron X-Ray Topography.
Proc. of the 3rd Int. Conf. on Materials for Microelectronics, Dublin/IRL (2000)
- C. LUSHCHIK, A. LUSHCHIK, M. KIRM
Separation of Elementary Mechanisms of Photon Multiplication in Wide-Gap Crystals.
Proc. of the 5th Int. Conf. on Inorganic Scintillators and their Applications, Moscow/RUS (2000)
- V.N. MAKHOV, J.Y. GESLAND, N.M. KHAIKOV, N.YU. KIRIKOVA, M. KIRM, J.C. KRUPA, T.V. OUVAROVA, G. ZIMMERER
VUV Scintillators Based on d-f Transitions in Rare Earth Ions.
Proc. of the 5th Int. Conf. on Inorganic Scintillators and their Applications, Moscow/RUS (2000)
- V.N. MAKHOV, V.N. KOLOBANOV, M. KIRM, S. VIELHAUER, G. ZIMMERER
Phonon Broadening of Emission Spectra for STE and Auger-Free Luminescence.
Proc. of the Int. Conf. on Excitonic Processes in Condensed Matter, EXCON (2000)
- B. MALIC, M. KOSEC, I. ARCON, A. KODRE, S. HIBOUX, P. MURALT
PZT Thin Films Prepared from Modified Zirconium Alkoxide.
Ext. Abstracts of the 12th Int. Sympos. and 3rd Europ. Meeting on Integrated Ferroelectrics, Aachen/D (2000)
- N. MATTERN, M. ZINKEVITCH, H. EHRENBERG, M. KNAPP, A. HANDSTEIN
Crystal Structure and Magnetic Properties of $Gd_{1+n}Fe_{12-x-y}Mo_xLy$ Solid Solutions.
Proc. of EPDIC VII, Barcelona/E (2000) (Mat. Sci. Forum (2000))
- V. MIKHAILIN, I. KAMENSKIKH, V. KOLOBANOV, G. ZIMMERER
Optical Properties and Luminescence of Scintillating Crystals $MeWO_4$ (Me = Mg, Ca, Zn, Cd, Ba, Pb).
Abstracts of the Int. Workshop on Medical Appl. of Scintillators, Irkutsk/RUS (2000)
- M. MONEKE, I. ALIG, T. WROBLEWSKI, H. MEYER
Spatially Resolved Measurements of the Morphology in Injection Moulded Polypropylene Plates.
Proc. of the Materials Week, München/D (2000)
- P. MÜLLER-BUSCHBAUM, O. WUNNICKE, J.S. GUTMANN, M. WOLKENHAUER, M. STAMM, W. PETRY
Dewetting of Ultrathin Polymer Films.
Proc. of „Polymerwerkstoffe 2000“, Halle/D (2000)

- V. NAGIRNYI, E. FELDBACH, L. JÖNSSON, M. KIRM, A. KOTLOV, G. SVENSSON, M. ÅSBERG-DAHLBORG
Relaxation of Electronic Excitations in PbWO_4 and $\text{CaWO}_4:\text{Bi}$ Crystals.
Proc. of the 5th Int. Conf. on Inorganic Scintillators and their Applications, Moscow/RUS (2000)
- M. NOLAN, D. LOWNEY, P.J. MCNALLY, T.S. PEROVA, A. MOORE, H. GAMBLE, T. TUOMI, R. RANTAMAK, A.N. DANILEWSKY
Synchrotron X-Ray Topography and Micro-Raman Spectroscopy of Boron Doped Silicon Wafer Using Rapid Thermal Diffusion.
Proc. of the 3rd Int. Conf. on Materials for Microelectronics, Dublin/IRL (2000)
- M. O'HARE, P.J. MCNALLY, D. LOWNEY, T. TUOMI, R. RANTAMÄKI, A.N. DANILEWSKY,
Visualisation and Finite Element Modelling of Strain Fields in Silicon due to Integrated Circuit Metallisation.
Proc. of the 3rd Int. Conf. on Materials for Microelectronics, Dublin/IRL (2000)
- N. OBERENDER, M. FRÖBA
New Synthetic Pathways to Mesostructured Thiogermanates.
Mat. Res. Soc. Symp. Proc. 547 (2000)
- I.N. OGORODNIKOV, V.A. PUSTOVAROV, A.V. KRUSHALOV, L.I. ISAENKO, M. KIRM, G. ZIMMERER
A Time-Resolved Spectroscopy Study of Fast Luminescence in Lithium Borates.
Proc. of the 5th Int. Conf. on Inorganic Scintillators and their Applications, Moscow/RUS (2000)
- Fast Physical Processes in Non-Linear Crystals $\text{CsLiB}_6\text{O}_{10}$ Excited by High-Power Synchrotron Radiation.
Proc. of the 11th Int. Conf. on Radiation Physics and Chemistry of Condensed Matter, Tomsk/RUS (2000)
- A. OWENS, M. BAVDAZ, H. ANDERSSON, S. NENONEN, H. SIPILA, V. GOSTILO, I. LISJUTIN, S. ZATOLOKA, G. GAGLIARDI, I. TAYLOR, L. TRÖGER, G. BERTUCCIO
Development of Compound Semiconductors for Planetary and Astrophysics Space Missions.
Proc. of SPIE 4012 (2000)
- X-Ray Measurements with Compound Semiconductor Arrays.
Proc. of SPIE (2000)
- U. PIETSCH, U. ZEIMER, L. HOFMANN, J. GRENZER, S. GRAMLICH
Strain Induced Compositional Modulations in AlGaAs Overlayers Induced by Lateral Surface Grating.
Mat. Res. Proc. Vol. 168 (2000)
- V.A. PUSTOVAROV, V.YU. IVANOV, M. KIRM, A.V. KRUSHALOV, G.N. KULIPANOV, I.N. OGORODNIKOV, G. ZIMMERER, E.I. ZININ
Time-Resolved Spectroscopy of Self-Trapped Exciton in Oriented BeO Crystals under X-Ray and VUV Excitation.
Proc. of the 5th Int. Conf. on Inorganic Scintillators and their Applications, Moscow/RUS (2000)
- V.A. PUSTOVAROV, V.YU. IVANOV, A.V. KOROTAEV, A.V. KRUSHALOV, M. KIRM, G. ZIMMERER
Time-Resolved Luminescent VUV-Spectroscopy of F and F+ Centers in BeO Single Crystals.
Proc. of the 11th Int. Conf. on Radiation Physics and Chemistry of Condensed Matter, Tomsk/RUS (2000)
- V.A. PUSTOVAROV, A.V. KRUSHALOV, V.L. PETROV, B.V. SHULGIN, M. KIRM, G. ZIMMERER
Optical and Luminescent VUV-Spectroscopy of $\text{La}_2\text{Be}_2\text{O}_5$ Single Crystals.
Proc. of the 5th Int. Conf. on Inorganic Scintillators and their Applications, Moscow/RUS (2000)
- V.A. PUSTOVAROV, B.V. SHULGIN, M.M. KIDIBAEV, A.A. ZHAMANGULOV
Luminescence Excitation Spectra and Energy Transfer in LiF-U,Cu and NaF-U,Cu Scintillation Crystals.
Proc. of the 5th Int. Conf. on Inorganic Scintillators and their Applications, Moscow/RUS (2000)
- V.A. PUSTOVAROV, V.Y. ZININ
Electronic Excitation and Energy Transfers in $\text{A}_2\text{SiO}_5\text{-Ce}$ ($\text{A}=\text{Y, Lu, Gd}$) and Sc_2SiO_5 Single Crystals.
Proc. of the 11th Int. Conf. on Radiation Physics and Chemistry of Condensed Matter, Tomsk/RUS (2000)
- M. SCHMIDBAUER, T. WIEBACH, H. RAIDT, P. SCHÄFER, M. HANKE, R. KÖHLER, W. NEUMANN, H. KIRMSE, M. RABE, F. HENNEBERGER, H. WAWRA
Evaluation of the Strain Field inside and around Growth Islands by Means of X-Ray Diffuse Scattering.
Mat. Res. Soc. Symp. Proc. Vol. 583 (2000)
- H. SCHULTE-SCHREPPING
Photon Beamlines at TESLA-FEL Undulators.
Proc. of SPIE, 45th Annual Meeting, San Diego/USA (2000)
- E. SOBCZAK, R. NIETUBYC, J.B. PELKA, S. MACKOWSKI, E. JANIK, G. KARCZEWSKI, G. GOERIGK
Anomalous Small Angle X-Ray Scattering Study of Self-Assembled Quantum Dots.
Proc. of the 108th Conf. on Applied Cryst., Katowice-Wisla/PL, World Scientific, Singapore (2000)
- J. STANGL, V. HOLY, A. DANIEL, T. ROCH, G. BAUER, T.H. METZGER, J. ZHU, K. BRUNNER, G. ABSTREITER
Shape and Size of Buried SiGe Islands.
Proc. of the 25th Int. Conf. on the Physics of Semiconductors, Osaka/J (2000)
- J. THEY, R. KOTTHAUS, G. BUSCHHORN, D. PUGACHEV
A Compact Compton Polarimeter Utilizing Silicon Drift Detectors.
Proc. of SPIE 4138 (2000) und MPI-PhE/2000-16
- C. TOMMASEO, M. KERSTEN
X-Ray Absorption Studies of Zn-Doped Cement Phases.
Proc. of the 2nd Euroconf. and NEA Workshop on Speciation, Techniques and Facilities for Radioactive Materials at Synchrotron Light Sources, Villigen/CH (2000)
- C. TOMMASEO, D. KULIK, M. KERSTEN
EXAFS Studies of Zn Intercalation in CSH.
Proc. of the Int. Congress on Appl. Mineralogy, Göttingen/D (2000)

E. WEIDNER, K. HRADIL, F. FREY, M. DE BOISSIEU, A. LE-TOUBLON, W. MORGENROTH, H.G. KRANE, M. CAPITAN, A.P. TSAI

High Resolution X-Ray and Neutron Diffraction of Super- and Disorder in Decagonal Al-Co-Ni

Proc. of the 7th Int. Conf. on Quasicrystals (2000) (Mater. Sci. Eng. (2000))

M. WOLKENHAUER, P. MÜLLER-BUSCHBAUM, O. WUNNICKE, B. MAHLTIG, M. STAMM, J. ROOVERS, R. CUBITT, G. VON KROSIGK

Analysis of the Structure of Adsorbed Star Polymers.

Proc. of „Polymerwerkstoffe 2000“, Halle/D (2000)

T. WROBLEWSKI

X-Ray Imaging Using the Radiation Diffracted by Polycrystalline Materials.

Proc. of ISRP-8, Prague/CZ (Radiat. Phys. Chem. (2000))

T. WROBLEWSKI, J. ALMANSTÖTTER, O. CLAUSS, M. MO-NEKE, T. PIRLING, P. SCHADE

Strain Mapping by Diffraction Imaging.

Proc. of the E-MRS Symposium, Strasbourg/F (2000) (Mater. Sci. Eng. A288 (2000))

T. WROBLEWSKI, E. WOLDT

Non-Ambient μ -Diffraction.

Proc. of the 47th Denver X-Ray Conf., Colorado Springs/USA (Adv. X-Ray Anal. 42 (2000))

O. WUNNICKE, P. MÜLLER-BUSCHBAUM, M. STAMM

Dewetting and Structure Formation in Polymer Films.

Proc. of „Polymerwerkstoffe 2000“, Halle/D (2000)

J. ZEGENHAGEN, A. KAZIMIROV, L.X. CAO, M. KONUMA, E. SOZONTOV, D. PLACHKE, H.D. CARS, G. BILGER, E. HALLER, V. KOHN, M. CARDONA

Isotopic Mass and Lattice Constants of Si and Ge: X-Ray Standing Wave Measurements.

Proc. of the 25th Int. Conf. on the Physics of Semiconductors, Osaka/J (2000)

K. ZHANG, J. FALTA, C. HEYN, T. SCHMIDT, W. HANSEN

Lateral Distribution of Buried Self-Assembled InAs Quantum Dots in GaAs.

Proc. of the 25th Int. Conf. on the Physics of Semiconductors, Osaka/J (2000)

K. ZHANG, C. HEYN, W. HANSEN, T. SCHMIDT, J. FALTA

Structural Characterization of Self-Assembled InAs Quantum Dots Grown by MBE.

Proc. of the 11th Conf. on Molecular Beam Epitaxie, Beijing/PRC (J. Cryst. Growth (2000))

Y. ZHUANG, C. SCHELLING, T. ROCH, A. DANIEL, F. SCHÄFFLER, G. BAUER, J. GRENZER, U. PIETSCH, S. SENZ

Investigation of Inhomogeneous In-Plane Strain Relaxation in Si/SiGe Quantum Wires by High-Resolution X-Ray Diffraction.

In: Applications of Synchrotron Radiation Techniques to Materials Science V, S.R. Stock et al. (Eds.) (MRS Proc. Vol. 590 (2000))

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

8. Jahrestagung der DGK, Aachen/D (2000)

8th Int. Conf. on the Structure of Non-Crystalline Materials, Aberystwyth/GB (2000)

11th Int. Conf. on X-Ray Absorption Fine Structure (XAFS11), Ako/J (2000)

MRS Spring Meeting, Amherst/USA (2000)

Workshop on Materials Research at SESAME, Ankara/TR (2000)

10th Int. Symposium on Small Particles and Inorganic Clusters, Atlanta/USA (2000)

Wilhelm und Else Heraeus-Seminar Workshop on Many-Particle Dynamics in Coulomb Systems, Bad Honnef/D (2000)

Int. Conf. on Access in Nanoporous Materials II, Banff/CAN (2000)

7th Europ. Powder Diffraction Conf. (EPDIC7), Barcelona/E (2000)

2nd Int. Forum on New Developments in Mesophase Materials, Bayreuth/D (2000)

Conf. on Properties of Materials at High Pressures and Temperatures, Bayreuth/D (2000)

8th Int. Conf. on Electronic Spectroscopy & Structure (ICES8), Berkeley/USA (2000)

4th Slovenian-German Seminar on Joint Projects in Materials Science & Technology, Berlin/D (2000)

7th Int. Conf. on Synchrotron Radiation Instrumentation (SRI2000), Berlin/D (2000)

IBFM Meeting, Berlin/D (2000)

Optics in Advanced Technologies, Berlin/D (2000)

Workshop on X-Ray Absorption Spectroscopy – An Access to Local Structures, Berlin/D (2000)

Sienta Europ. Symposium, Bischofshausen/F (2000)

9th Ann. Int. Workshop on Laser Physics (LPHYS2000), Bordeaux/F (2000)

10th IACIS Meeting on Colloid and Interface Science, Bristol/GB (2000)

14th Int. Symposium on the Reactivity of Solids, Budapest/H (2000)

Symposia on Surface Physics, Calcutta/IND (2000)

Int. Workshop on Photoionization, Carry le Rouet/F (2000)

EURESCO Conf. on Cluster-Surface Interaction, Castelvecchio Pascoli/I (2000)

- 31st Danish Crystallography Meeting and 3rd Dansync Annual Meeting, Copenhagen/DK (2000)
- Europ. Conf. on Energy Dispersive X-Ray Spectrometry (EDXRS2000), Cracow/PL (2000)
- Nobugs 2000, Daresbury/GB (2000)
- Workshop on Dynamical Approaches in Atomic and Cluster Physics, Dresden/D (2000)
- The Yearly Dutch Catalysis Meeting (NCCC2000), Dronen/NL (2000)
- 22nd Int. Free Electron Laser Conf. (FEL2000), Durham/GB (2000)
- Symposium on Fluorine Chemistry, Durham/GB (2000)
- Int. School of Crystallography: NATO Advanced Study Institute, Erice/I (2000)
- Int. Conf. on Atomic Physics, Florence/I (2000)
- EUPOC 2000 Meeting on Crystallization of Polymers, Gargnano/I (2000)
- 7th Int. Conf. on Plasma Surface Engineering, Garmisch-Partenkirchen/D (2000)
- 12th Int. Congress on Catalysis, Granada/E (2000)
50. Jahrestagung, Österreichische Physikalische Gesellschaft, Graz/A (2000)
- Conference on Biological Physics and Synchrotron Radiation, Grenoble/F (2000)
- ESRF-Workshop on Fast Structural Changes, Grenoble/F (2000)
- Workshop on Surface Science 2000: Self-Organization at Interfaces and in Thin Films, Grenoble/F (2000)
- Workshop on The Structure and Dynamics of Liquid and Glassy States: X-Rays and Complementary Methods, Grenoble/F (2000)
- EPS Conference, Guimaraes/P (2000)
- Int. Conf. „Polymerwerkstoffe 2000“, Halle/D (2000)
- Conf. on Many-Particle Spectroscopy of Atoms, Molecules and Surfaces, Halle/D (2000)
- 3rd Harima-Conference (SPRING8), Harima/J (2000)
- 3rd Int. Workshop on Crystallography at High Pressure and High Temperature Using X-Rays and Neutrons, Harima/J (2000)
- SMARTON 3, Hindsø/DK (2000)
- 6th Int. Conf. on Materials and Mechanisms of Superconductivity and High Temperature Superconductors, Houston/USA (2000)
- 12th Int. Conf. on Ternary and Multinary Compounds, Hsinchu/RC (2000)
- Österreichische Chemietage, Innsbruck/A (2000)
- Euromembrane 2000, Jerusalem/IL (2000)
- 14th Int. Conf. on Defects in Insulating Materials (ICDIM2000), Johannesburg/ZA (2000)
- Conf. on Major Trends in Superconductivity in the Millennium (MTSC2000), Klosters/CH (2000)
- Int. Conf. on Solid State Crystals, Materials Science and Applications, Koscielisko Zakopane/PL (2000)
- SLAP 2000, La Habana/C (2000)
- Int. Conf. on Self-Organization Phenomena of Nanoparticles, Liverpool/GB (2000)
- General Scientific Meeting of the Belgian Physical Society, Louvain La Neuve/B (2000)
- ESF Seminar on Molecular Magnets, Lübeck/D (2000)
- IEEE Nucl. Sci. Sympos., Lyon/F (2000)
- Discussion Meeting on Catalysis from First Principles, Lyon/F (2000)
- Synchrotron Radiation Center Workshop, Madison/USA (2000)
- 19th Europ. Conf. on Surface Science (ECOSS19), Madrid/E (2000)
- 4th Int. Conf. on f-Elements (ICFS4), Madrid/E (2000)
- Ann. Meeting of the APS, Minneapolis/USA (2000)
- Ecole Thématique Rayonnement Synchrotron et Magnétisme, Mittelwihr/F (2000)
- 18th Gen. Conf. of the Condensed Matter Division of the EPS, Montreux/CH (2000)
12. Deutsche Zeolith-Tagung, München/D (2000)
- Analytica Conf. 2000, München/D (2000)
- 10th Symposium on Solid State Chemistry and Materials Research of the German Chemical Society, Münster/D (2000)
- Int. Workshop on Nitride Semiconductors, Nagoya/J (2000)
- 19th Europ. Crystallographic Meeting (ECM19), Nancy/F (2000)
- ECM19 Satellite Meeting on Surface Crystallography, Nancy/F (2000)
- 44th Biophysical Society Meeting, New Orleans/USA (2000)
- Faraday, Mai 2000, New York/USA (2000)
- Conf. on Lasers and Electro-Optics-Europe, Nice/F (2000)
- APERIODIC 2000, Nijmegen/NL (2000)
- 13th Russian Conf. on Synchrotron Radiation Applications, (SR2000), Novosibirsk/RUS (2000)
- Danish Phys. Soc. Ann. Meeting, Nyborg Strand/DK (2000)
- 3rd TMR-TOSS Meeting, Oestgeest/NL (2000)
- Int. Sympos. on Physical Basis of Adsorption, Okayama/J (2000)
- 4th Int. Conf. on Excitonic Processes in Condensed Matter, Osaka/J (2000)
- Conf. on Real Time Probing of Elementary Chemical Processes in Liquids, Paris/F (2000)

9th Int. Symposium on the Physics and Chemistry of Luminescent Materials, Phoenix/USA (2000)

NATO-ASI: Ring Opening Metathesis Polymerisation and Related Chemistry, Polanica-Zdroj/PL (2000)

9th Int. Conf. on Organised Molecular Film (LB9), Potsdam/D (2000)

Workshop on Biocrystallography with Synchrotron Radiation – Future Perspectives (BioXSR), Poznan/PL (2000)

Int. Conf. on Solid State Chemistry, Prague/CZ (2000)

2nd Int. Symposium on Mesoporous Molecular Sieves (ISMMS2000), Quebec City/CAN (2000)

Int. Conf. on Magnetism (ICM2000), Recife/BR (2000)

4th Euroconf. on Luminescent Detectors and Transformers of Ionizing Radiation (LUMDETR2000), Riga/LV (2000)

Euro Summer School on New Materials and their Dynamics: Advances through Synchrotron Radiation, Rostock-Warnemünde/D (2000)

11th CRC Int. Symposium on Frontier of XAFS Spectroscopy and its Application to Catalyst and Interfaces, Sapporo/J (2000)

5th Int. Symposium on Amorphous and Nanostructured Materials, Sendai/J (2000)

Ann. Meeting of the Am. Crystal. Assoc., St. Paul/USA (2000)

Conf. on Charge, Spin and Momentum Densities (SAGAMORE 13), Stare Jablonski/PL (2000)

9th Nordic Symposium on Catalysis, Stockholm/S (2000)

3rd ESAFORM Conf. on Material Forming, Stuttgart/D (2000)

Int. Conf. on Cryocrystals and Quantum Crystals (CC2000), Szklarska Poreba/PL (2000)

12th Workshop on Strongly Correlated Electron Systems, Trieste/I (2000)

Int. Workshop on High Precision, High-Resolution Analysis Methods of Electronic States of Solids, Tsukuba/J (2000)

29th Int. School on Physics of Semiconducting Compounds, Ustron-Jaszowiec/PL (2000)

5th Biennial Conf. on High Resolution X-Ray Diffraction and Topography (X-Top2000), Ustron-Jaszowiec/PL (2000)

Réunion GFSM2000 – La spectrométrie Mößbauer dans tous ses états, Versailles et Gif sur Yvette/F (2000)

8th Conf. on Total Reflection X-Ray Fluorescence Analysis and Related Methods, Vienna/A (2000)

1st Int. Workshop on Mechanical Engineering Design of Synchrotron Radiation Equipment and Instrumentation (MEDSI2000), Villigen/CH (2000)

Int. Conf. on Thin Film Deposition of Oxide Multilayers (TFDOM), Vilnius/LT (2000)

Conf. on Applied Superconductivity, Virginia Beach/USA (2000)

24th Meeting on Condensed Matter Physics, Wagga/AUS (2000)

World Polymer Congress (IUPAC MACRO2000), Warsaw/PL (2000)

Rietveld Method Workshop, Wisla/PL (2000)

42th Polish Crystallographic Meeting, Wroclaw/PL (2000)

2nd Nat. Conf. on Basic Research in Physics, Zrece/SLO (2000)

Habilitationen

B. BÜHN

Fraktionierung fester und volatiler Phasen in karbonatischen und Alkalisilikatischen Mantelmagmen.
Univ. Gießen/D (2000)

M. FRÖBA

Mesostructured Materials: Synthesis and Characterization.
Univ. Hamburg/D (2000)

T.H. HANSTEEN

Fluid and Melt Inclusions in Phenocrysts and Xenoliths as Indicators of Petrogenetic Processes.
Univ. Kiel/D (2000)

T. KRAFT

Die Muskelkontraktion. Molekularphysiologische Aspekte der Kraftentwicklung und ihrer Regulation.
Medizinische Hochschule Hannover/D (2000)

D. POSPIECH

Untersuchungen zu Multiblockcopolymeren mit Segmenten unterschiedlicher Flexibilität.
TU Dresden/D (2000)

Dissertationen

T. BÖKER

Electronic Band Structure and van der Waals Epitaxy of the Molybdenum Dichalcogenides: New Materials for Thin Film Solar Cells.
Humboldt-Univ. Berlin/D (2000)

S. BRUNSCH

Strukturuntersuchungen zum Einbau von Fremdionen und Nanoskaligen Silberpartikeln in Silikatgläser mit Hilfe der Röntgenabsorptionsspektroskopie.
Univ. Halle-Wittenberg/D (2000)

M. CASAGRANDE

Untersuchung der Ordnung und Diffusion von Polymerdispersionen bei Ihrer Verfilmung.
Univ. Mainz /D (2000)

R. CATTANEO

Why do Chelating Ligands Improve the Activity of NiMo Hydrotreating Catalysts?
ETH Zürich/CH (2000)

K.N. DAROWSKI

Charakterisierung mesoskopischer Halbleiter-Lateralstrukturen mittels PL-Spektroskopie und GID.
Univ. Potsdam/D (2000)

A. DEL CAMPO

Effect of the Nature of the Spacer on the Properties of Thermotropic Liquid Crystalline Polymers.
Univ. Madrid/E (2000)

A. GABKE

Strukturen und Kinetik der Phasenumwandlungen von Modellbiomembranen.
Univ. Dortmund/D (2000)

J. GERLACH

Ionenstrahlgestütztes Epitaktisches Wachstum hexagonaler Galliumnitrid-Schichten auf c-Saphir.
Univ. Augsburg/D (2000)

J. GLODO

Radiative Recombination Processes in Cerium Activated YAlO₃ and LuAlO₃ Crystals.
Univ. of Torun/PL (2000)

E. GMINDER

Lumineszenzspektroskopische Untersuchung der Erzeugung sekundärer Exzitonen in den festen Edelgasen Argon und Neon.
Univ. Hamburg/D (2000)

A. GOTTWALD

Untersuchung der Phasenseparation in Multiblockcopolymeren.
TU Dresden/D (2000)

J.S. GUTMANN

Strukturbildung in dünnen Filmen aus Mischungen statistischer Copolymere.
Univ. Mainz/D (2000)

T. HIORT

X-Ray Fluorescence Holography and Multiple Energy X-Ray Holography: A Comparative Study.
Univ. Hamburg/D (2000)

H. HÜNNEFELD

Einfluss von Defekten auf den strukturellen Phasenübergang in Strontiumtitanat.
Univ. Hamburg/D (2000)

M.N. KATSIKINI

Characterization of III-V Nitrides with X-Ray Absorption Techniques.
Univ. of Thessaloniki/GR (2000)

P. KEIL

Charakterisierung von Synchrotronstrahlungsoptiken im harten Röntgenbereich.
Univ. Düsseldorf/D (2000)

D. KOSCIESZA

Hochzeitaufgelöste Beugungsmessungen an Haem-Proteinen mittels Laue-Verfahren.
Univ. Hamburg/D (2000)

J. KRAUS

Einfluss der eingeschränkten Dimension auf die Kettenkonformation und Rauigkeit in dünnen Polymerfilmen im Glaszustand.
Univ. Mainz/D (2000)

G. LANDMESSER

Untersuchung von phononischen Vorläufereffekten displaziver Phasenumwandlungen an einer freien Ni₂MnGa-Oberfläche mittels Röntgenstreuung unter streifenden Winkeln.
Univ. München/D (2000)

D. LONEY

Photoacoustic Spectroscopy and Synchrotron X-Ray Topography Studies of Semiconductor Materials and Devices.
Univ. of Dublin/IRL (2000)

D. LÜBBERT

Strain and Lattice Distortion in Semiconductor Structures: A Synchrotron Radiation Study.
Univ. Potsdam/D (2000)

A. MÜLLER

Interlayer Coupling and Non-Fermi Liquid Behavior in p-Type High T_c Superconductors.
Humboldt-Univ. Berlin/D (2000)

O. MUTH

Synthese und Charakterisierung von mesostrukturierten Übergangsmetalloxiden.
Univ. Hamburg/D (2000)

T. NIEMÖLLER

Röntgendiffraktometrische Untersuchungen der Ladungsordnungen in Selten-Erd-dotiertem La_{2-x}Sr_xCuO₄ und in La_{1-x}Sr_xMnO₃.
Univ. Hamburg/D (2000)

N. ORLOWSKI

Untersuchung der elektronischen Struktur von HgSe und HgTe mittels winkelaufgelöster Photoemission.
Humboldt-Univ. Berlin/D (2000)

S. PETERSEN

Charakterisierung von ionischen Zentren in Edelgasmatrizen mit Lumineszenz- und Photoelektronenspektroskopie.
Univ. Hamburg/D (2000)

A. PLECH

Benetzungsphasenübergänge in binären flüssigen Mischungen: Untersuchung der Struktur und Thermodynamik mit Röntgenstreuung unter streifenden Winkeln.
Univ. München/D (2000)

U. PONKRATZ

Energiedispersive Röntgenbeugung an Quasikristallen unter hohem Druck.
Univ. Rostock/D (2000)

R. PREŠEREN

Deep Double Photoexcitation in Atom.
Univ. of Ljubljana/SLO (2000)

G. REISS

Energiedispersive Röntgenbeugungsuntersuchungen an einigen Laves-Phasen unter hohem Druck.
Univ. Paderborn/D (2000)

M. SCHALKE

Konformation und Hydratation von Phospholipiden in Oberflächenmonoschichten: Röntgenreflexion und IR-Spektroskopie.
Univ. Leipzig/D (2000)

M.A. SCHROEDER

Magnetooptische Kerr-Effekte im VUV an Eisen und Eisensystemen.
Univ. Hamburg/D (2000)

T. SEYDEL

Glasoberflächen – Einfrieren von Kapillarwellen?
Univ. Kiel/D (2000)

L. SIMON,

On the Sulfur Tolerance of Zeolite Supported Pt Catalysts for Benzene Hydrogenation.
Univ. of Twente/NL (2000)

J. STAHN

Strukturfaktoränderungen von GaAs und ZnSe unter dem Einfluss eines äußeren elektrischen Feldes.
Univ. Potsdam/D (2000)

J. STANGL

High-Resolution X-Ray Diffracton Studies of Self-Organized SiGe(C) Islands.
Univ. of Linz/A (2000)

B. STEEG

Erzeugung sekundärer Exzitonen in festem Xenon untersucht mit Hilfe der Lumineszenzspektroskopie.
Univ. Hamburg/D (2000)

C. STERNEMANN

Final State Interaction and Temperature Effects in Compton Scattering from Lithium.
Univ. Dortmund/D (2000)

P. WERNET

Magnetischer Dichroismus in der Cr 2p-Photoionisation.
Univ. Hamburg/D (2000)

M. WEYGAND

Struktur und mikroskopische Charakterisierung der Wechselwirkung von S-Schicht-Proteinen mit Phospholipiden: Röntgen- und Neutronenstreuuntersuchungen.
Univ. Leipzig/D (2000)

T. WIEBACH

Röntgenographische Untersuchungen von $\text{Si}_{1-x}\text{Ge}_x$ -Stranski-Krastanov-Inseln auf Silizium(001).
Humboldt-Univ. Berlin/D (2000)

C. WITTKOP

Spinsensitive Messung der unbesetzten 5d Zustandsdichte von EuO mit resonanter unelastischer Röntgenstreuung.
Univ. Dortmund/D (2000)

F. WOHLERT

Ein hochauflösendes Spektrometer für die resonante unelastische Röntgen-Streuung.
Univ. Dortmund/D (2000)

R. ZAEPER

Design und Charakterisierung eines schnellen Röntgenmonochromators für Synchrotronstrahlung.
Univ. Düsseldorf/D (2000)

J.H. ZEYSING

STM-Untersuchungen zur Strukturaufklärung reiner und adsorbatbedeckter hochindizierter Halbleiteroberflächen und niedrigindizierter Kupfer-Gold-Legierungsflächen.
Univ. Hamburg/D (2000)

Y. ZHUANG

Fabrication and Characterization of Laterally Structured Si/SiGe-Heterolayers.
Univ. of Linz/A (2000)

B. ZIMMERMANN

Vollständige Experimente in der atomaren und molekularen Photoionisation.
TU Berlin/D (2000)

Diplomarbeiten

E. ALONSO

A Thermotropic Polymer with Double Tg and Abnormal Orientation.
Univ. Madrid/E (2000)

F. BRIELER

Nanostrukturierte II/VI-Halbleiterverbindungen in mesoporösen M41S-Silicaphasen.
Univ. Hamburg/D (2000)

O. BRUNKE

Untersuchung der Adsorption von N auf Si(111) mit Hilfe von stehenden Röntgenwellenfeldern (XSW) und Röntgenphotoemissionsspektroskopie (XPS).
Univ. Bremen/D (2000)

B. BÜHN

Fraktionierung fester und volatiler Phasen in karbonatischen und alkalisilikatischen Mantelmagmen.
Univ. Gießen/D (2000)

A. DANIEL

Experimentelle Bestimmung der Elektronendichte von Zinkselenid.
Univ. Potsdam/D (2000)

M. DOMMACH

Aufbau und Test eines Monochromators für Phononenspektroskopie.
FH Lübeck/D (2000)

D. EHLERS

Untersuchung der reinen und adsorbatbedeckten Silizium (115)-Oberfläche mittels Rastertunnelmikroskopie.
Univ. Hamburg/D (2000)

M. KAMMEL

Untersuchungen zur Auflösung von Entmischungsbezirken in einem Natrium-Kalzium-Silikatglas mit der Methode der Röntgenkleinwinkelstreuung.
Univ. Rostock/D (2000)

D. KNABBEN

Magnetisch sensitive Rumpfniveauspektroskopie an dünnen Schichten, Schichtsystemen und Nanoclustern.
Univ. Düsseldorf/D (2000)

S. KRIESEN

Charakterisierung des Wachstums von Kupferchlorid-Nanokristallen in einer Natriumchlorid-Matrix mit der Methode der Röntgen-Kleinwinkelstreuung.
Univ. Rostock/D (2000)

T. KURBJUHN

Untersuchung von Benetzungsfilmen des binären Systems Perfluorhexan/Hexan mit Röntgenstreuung.
Univ. Kiel/D (2000)

A. MEEDER

Photoelektronenspektroskopie und Rastertunnelmikroskopie an reinen und p-dotierten C60-Schichten.
Univ. Kiel/D (2000)

S. NERGER

Struktur und magnetische Kopplung in $\text{Fe}_x\text{Co}_{1-x}/\text{Mn}/\text{Fe}_x\text{Co}_{1-x}$ Schichtsystemen.
RWTH Aachen/D (2000)

K. RADEMAKER

Präparation und spektroskopische Charakterisierung von Yb^{2+} in Fluoridkristallen.
Univ. Hamburg/D (2000)

M. SCHAEFER

In-situ-Untersuchungen zur Bildung von Thioantimonaten unter solvothormalen Bedingungen.
Univ. Kiel/D (2000)

R. SCHARDIN

Fermi-Flächen-Bestimmung von hochkorrelierten Elektronensystemen mittels winkelaufgelöster Photoemissionsspektroskopie.
Humboldt-Univ. Berlin/D (2000)

O. SEIFARTH

Der Einfluss von Dimensionalität und Ladungsdichtewellen auf die Fermifläche von Schichtkristallen: Untersuchungen mit höchstauflösender Photoelektronenspektroskopie.
Univ. Kiel/D (2000)

R. SEVERIN

Herstellung von MoSe_2 - und Mo_6Se_8 -Filmen mit der van der Waals-Epitaxie und strukturelle und elektronische Untersuchungen an diesen Filmen.
Humboldt-Univ. Berlin/D (2000)

R.S. UNGER

Herstellung und Charakterisierung von supraleitenden $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+\delta}$ -Filmen.
Humboldt-Univ. Berlin/D (2000)

J. VOIGT

Elementspezifische Magnetisierungsdichteverteilungen in Selten-Erd-Übergittern.
RWTH Aachen/D (2000)

M. WAHLERS

Laserablation zur Präparation dünner Schichten magnetischer Oxide.
Univ. Düsseldorf/D (2000)

F. WEBER

Untersuchung von Gradienten-Multilayern und korrelierter Rauigkeit mittels Röntgenstreuung.
Univ. Kiel/D (2000)

S. WERTH

Elektronische und strukturelle Eigenschaften dünner epitaktischer Schichten von Heterokontakten aus Übergangsmetalldichalkogeniden.
Univ. Kiel/D (2000)

K.M. ZIMMERMANN

Untersuchung der Grenzflächenstruktur von Metall/Polymer-Systemen mittels Röntgenstreuung im Bereich der Totalreflexion.
Univ. Kiel/D (2000)

EMBL

Für eine Liste der Veröffentlichungen und Vorträge wird auf den EMBL-Jahresbericht verwiesen.

Max-Planck-Gesellschaft

Veröffentlichungen

M. ACKMANN, H. WIECH, E. MANDELKOW

Nonsaturable Binding Indicates Clustering of Tau on the Microtubule Surface in a Paired Helical Filament-Like Conformation.
J. Biol. Chem. 275 (2000) 30 335

A.E. ALESHIN, C. KIRBY, X. LIU, G.P. BOURENKOV, H.D. BARTUNIK, H.J. FROMM, R.B. HONZATKO

Crystal Structures of Mutant Monomeric Hexokinase I Reveal Multiple ADP Binding Sites and Conformational Changes Relevant to Allosteric Regulation.
J. Mol. Biol. 296 (2000) 1001

T. AUERBACH, M. PIOLETTI, H. AVILA, K. ANAGNOSTOPOULOS, S. WEINSTEIN, F. FRANCESCHI, A. YONATH

Genetic and Biochemical Manipulations of the Small Ribosomal Subunit from *Thermus thermophilus* HB8.
J. Biomol. Struct. Dyn. 17 (2000) 617

S. BARGHORN, Q. ZHENG-FISCHHÖFER, M. ACKMANN, J. BIERNAT, M. VON BERGEN, E.M. MANDELKOW, E. MANDELKOW

Structure, Microtubule Interactions, and Paired Helical Filament Aggregation by Tau Mutants of Frontotemporal Dementias.
Biochemistry 39 (2000) 11 714

- H. BARTELS, M. GLÜHMANN, D. JANELL, F. SCHLÜNZEN, A. TOCILJ, A. BASHAN, I. LEVIN, H.A.S. HANSEN, J. HARMS, M. KESSLER, M. PIOLETTI, T. AUERBACH, I. AGMON, H. AVILA, M. SIMITSOPOULOU, S. WEINSTEIN, M. PERETZ, W.S. BENNETT, F. FRANCESCHI, A. YONATH
Targeting Exposed RNA Regions in Crystals of the Small Ribosomal Subunits at Medium Resolution.
Cell. Mol. Biol. 46 (2000) 871
- H. BLUME, P. BÖSECKE, G.P. BOURENKOV, D. KOSCIESZA, H.D. BARTUNIK
The Protein Crystallography Beamline BW6 at DORIS – Automatic Operation and High-Throughput Data Collection.
Zur Veröffentlichung in *Nucl. Instrum. Methods*
- M. BOCHTLER, C. HARTMANN, H.K. SONG, G.P. BOURENKOV, H.D. BARTUNIK, R. HUBER
The Structures of HsIU and the ATP-Dependent Protease HsIU-HsIV.
Nature 403 (2000) 800
- P. BURKHARD, R.A. KAMMERER, M.O. STEINMETZ, G.P. BOURENKOV, U. AEBI
The Coiled-Coil Trigger Site of the Rod Domain of Cortaxillin I Unveils a Distinct Network of Interhelical and Intrahelical Salt Bridges.
Structure Fold. Des. 8 (2000) 223
- T. CLAUSEN, A. SCHLEGEL, R. PEIST, E. SCHNEIDER, C. STEEGBORN, Y.S. CHANG, A. HAASE, G.P. BOURENKOV, H.D. BARTUNIK, W. BOOS
X-Ray Structure of MalY from Escherichia Coli: A Pyridoxal 5'-Phosphate-Dependent Enzyme Acting as a Modulator in Mal Gene Expression.
EMBO J. 19 (2000) 831
- P. FRIEDHOFF, M. VON BERGEN, E.M. MANDELKOW, E. MANDELKOW
Structure of Tau Protein and Assembly into Paired Helical Filaments.
Biochim. Biophys. Acta – Mol. Basis of Disease 1502 (2000) 122
- A. HOENGER, M. DOERHOEFER, G. WOEHLEKE, P. TITTMANN, H. GROSS, Y.H. SONG, E. MANDELKOW
Surface Topography of Microtubule Walls Decorated with Monomeric and Dimeric Kinesin Constructs.
Biological Chemistry 381 (2000) 1001
- A. HOENGER, M. THORMÄHLEN, R. DIAZ-AVALOS, M. DOERHOEFER, K.N. GOLDIE, J. MÜLLER, E. MANDELKOW
A New Look at the Microtubule Binding Patterns of Dimeric Kinesins.
J. Mol. Biol. 297 (2000) 1087
- J.T. KAISER, T. CLAUSEN, G.P. BOURENKOV, H.D. BARTUNIK, S. STEINBACHER, R. HUBER
Crystal Structure of a NifS-Like Protein from *Thermotoga maritima*: Implications for Iron Sulphur Cluster Assembly.
J. Mol. Biol. 297 (2000) 451
- S. LECLERC, M. GARNIER, R. HOESSEL, D. MARKO, J.A. BIBB, G.L. SNYDER, P. GREENGARD, J. BIERNAT, Y.Z. WU, E.M. MANDELKOW, G. EISENBRAND, L. MEIJER
Indirubins Inhibit Glycogen Synthase Kinase-3 beta and CDK5/P25, Two Protein Kinases Involved in Abnormal Tau Phosphorylation in Alzheimer's Disease – A Property Common to Most Cyclin-Dependent Kinase Inhibitors?
J. Biol. Chem. 276 (2001) 251
- M. LEOST, C. SCHULTZ, A. LINK, Y.Z. WU, J. BIERNAT, E.M. MANDELKOW, J.A. BIBB, G.L. SNYDER, P. GREENGARD, D.W. ZAHAREVITZ, R. GUSSIO, A.M. SENDEROWICZ, E.A. SAUSVILLE, C. KUNICK, L. MEIJER
Paullones are Potent Inhibitors of Glycogen Synthase Kinase-3 beta and Cyclin-Dependent Kinase 5/P25.
Eur. J. Biochem. 267 (2000) 5983
- A. MARX, J. PLESS, E.M. MANDELKOW, E. MANDELKOW
On the Rigidity of the Cytoskeleton: Are Maps Crosslinkers or Spacers of Microtubules?
Cell. Mol. Biol. 46 (2000) 949
- H. MASUMOTO, K. NAKAGAWA, S. IRIE, H. SORIMACHI, K. SUZUKI, G.P. BOURENKOV, H.D. BARTUNIK, C. FERNANDEZ-CATALAN, W. BODE, S. STROBL
Crystallization and Preliminary X-Ray Analysis of Recombinant Full-Length Human m-calpain.
Acta. Cryst. D, Biol. Crystallogr. 56 (2000) 73
- L. MEIJER, A. THUNNISSEN, A.W. WHITE, M. GARNIER, M. NIKOLIC, L.H. TSAI, J. WALTER, K.E. CLEVERLEY, P.C. SALINAS, Y.Z. WU, J. BIERNAT, E.M. MANDELKOW, S.H. KIM, G.R. PETTIT
Inhibition of Cyclin-Dependent Kinases, GSK-3 beta and CK1 by Hymenialdisine, a Marine Sponge Constituent.
Chemistry & Biology 7 (2000) 51
- B. MERINOV, G. BOURENKOV, U. BISMAYER
High-Temperature Superionic Phase of Mixed Proton Conductor $[Rb_{0.57}(NH_4)_{0.43}]_3H(SeO_4)_2$: Dynamic Twinning and Anomalous Display of Dynamically Disordered Hydrogen Atoms.
Phys. stat. sol. (b) 218 (2000) 365
- R. MORALES, H.H. CHARON, G. KACHALOVA, L. SERRE, M. MEDINA, C. GOMEZ-MORENO, M. FREY
A Redox-Dependent Interaction between Two Electron-Transfer Partners Involved in Photosynthesis.
EMBO Reports 1 (2000) 271
- J.J. MULLER, A. LAPKO, G. BOURENKOV, K. RUCKPAUL, U. HEINEMANN
Adrenodoxin Reductase – Adrenodoxin Complex Structure Suggests Electron Transfer Path in Steroid Biosynthesis.
Zur Veröffentlichung in *J. Biol. Chem.*
- C. SCHEUFLER, A. BRINKER, G.P. BOURENKOV, S. PEGORARO, L. MORODER, H.D. BARTUNIK, F.U. HARTL, I. MOAREFI
Structure of TPR Domain-Peptide Complexes: Critical Elements in the Assembly of the Hsp70-Hsp90 Multichaperone Machine.
Cell 101 (2000) 199

F. SCHLÜNZEN, A. TOCILJ, R. ZARIVACH, J. HARMS, M. GLÜHMANN, D. JANELL, A. BASHAN, H. BARTELS, I. AGMON, F. FRANCESCHI, A. YONATH
Structure of Functionally Activated Small Ribosomal Subunit at 3.3 Ångström Resolution.
Cell 102 (2000) 615

C. SEEBERGER, E. MANDELKOW, B. MEYER
Conformational Preferences of a Synthetic 30mer Peptide from the Interface between the Neck and Stalk Regions of Kinesin.
Biochemistry 39 (2000) 12558

T. SOULIMANE, G. BUSE, G.P. BOURENKOV, H.D. BARTUNIK, R. HUBER, M.E. THAN
Structure and Mechanism of the Aberrant ba(3)-cytochrome c oxidase from *Thermus thermophilus*.
EMBO J. 19 (2000) 1766

S. STROBL, C. FERNANDEZ-CATALAN, M. BRAUN, R. HUBER, H. MASUMOTO, K. NAKAGAWA, A. IRIE, H. SORIMACHI, G.P. BOURENKOW, H.D. BARTUNIK, K. SUZUKI, W. BODE
The Crystal Structure of Calcium-Free Human m-calpain Suggests an Electrostatic Switch Mechanism for Activation by Calcium.
Proc. Natl. Acad. Sci. USA 97 (2000) 588

M. THORMÄHLEN, J. MÜLLER, E. MANDELKOW
Crystallization of Kinesin.
In: Methods in Molecular Biology, Vol. 164, Kinesin Protocols, I. Vernos (Ed.), Humana Press, Totowa (2001) 223

M. VON BERGEN, P. FRIEDHOFF, J. BIERNAT, J. HEBERLE, E.M. MANDELKOW, E. MANDELKOW
Assembly of Tau Protein into Alzheimer Paired Helical Filaments Depends on a Local Sequence Motif ((306)VQIVYK(311)) Forming beta Structure.
Proc. Natl. Acad. Sci. USA 97 (2000) 5129

M.C. WAHL, G.P. BOURENKOV, H.D. BARTUNIK, R. HUBER
Flexibility, Conformational Diversity and Two Dimerization Modes in Complexes of Ribosomal Protein L12.
EMBO J. 19 (2000) 174

Dissertationen

M. ACKMANN
Mechanismus der Bindung von Tau an Mikrotubuli.
Univ. Witten-Herdecke/D (2000)

J. MÜLLER
Biochemische und strukturelle Untersuchungen an rekombinant exprimierten Mikrotubuli-Motorproteinen der Ratte, *Rattus norvegicus* (Berkenhout, 1879), des Tintenfisches, *Loligo pealei* (Le Sueur, 1821) und der Fruchtfliege, *Drosophila melanogaster* (Meigen, 1830).
Univ. Hamburg/D (2000)

S. REICHARDT
Untersuchungen des Problems der Strahlenschädigung in der Ribosomenkristallographie.
Univ. Hamburg/D (2000)

A. SCHNEIDER
Phosphorylierung von Tau-Protein und ihr Einfluss auf die Aggregation von Alzheimer-Filamenten.
Univ. Hamburg/D (2000)

J. ZHOU
Generation of scFv Recombinant Antibodies with the Help of the Phage Display System against the Microtubule Associated Protein Tau and the Protein Kinase MARK.
Univ. Hamburg/D (2000)

FE

Veröffentlichungen

R. LORENCZ, C. RECKLEBEN, K. HANSEN
A Novel Extraction Method for BJT-Parameters.
J. Electr. Eng. 51 (2000) 22

K. HANSEN, L. TRÖGER
A Novel Multi-Cell Silicon Drift Detector Module for X-Ray Spectroscopy and Imaging Applications.
IEEE Trans. Nucl. Sci. 48 (2000)

Veröffentlichter Vortrag

J.S.T. NG, K. HANSEN, U.C. MÜLLER, P. HOLL, J. KEMMER, P. LECHNER, L. STRÜDER
Silicon Pixel Detector for the TTF-FEL Beam Trajectory Monitor.
Proc. of the 8th Europ. Symp. on Semicond. Detectors, Elmau/D (1998) (Nucl. Instrum. Methods A439 (2000) 601)

Bibliothek und Dokumentation

Veröffentlichung

D. SCHMIDT
Die Eingruppierung von Büchereiangestellten des mittleren Dienstes an wissenschaftlichen Spezialbibliotheken nach dem BAT: Eine Arbeits- und Argumentationshilfe für Bibliotheksleiter.
Bibliotheksdienst 34 (2000) 408

Vortrag

D. SCHMIDT
Die Vergütung der Büchereiangestellten des einfachen und mittleren Dienstes nach dem BAT.
HGF-Arbeitskreis Bibl.- und Inf.wesen, St. Augustin/D (2000)

DESY Zeuthen

Veröffentlichungen

AMANDA COLLABORATION, E. ANDRES et al.
The AMANDA Neutrino Telescope: Principle of Operation and First Results.
Astropart. Phys. 13 (2000) 1

Observation of High Energy Neutrinos with Cherenkov Detectors Embedded in Deep Antarctic Ice.
Zur Veröffentl. in Nature

BAIKAL COLLABORATION, V.A. BALKANOV et al.
Registration of Atmospheric Neutrinos with the Baikal Neutrino Telescope NT-96.
Astropart. Phys. 12 (1999) 75

An Upper Limit on the Diffuse Flux of High Energy Neutrinos Obtained with the Baikal Detector NT-96.
Astropart. Phys. 14 (2000) 61

L3 COLLABORATION, M. ACCIARI et al.
Measurement of the Running of the Fine-Structure Constant.
Phys. Lett. B476 (2000) 40

Measurement of the $e^+e^- \rightarrow Z\gamma\gamma$ Cross Section and Determination of Quartic Gauge Boson Couplings at LEP.
Phys. Lett. B478 (2000) 39

Search for Charginos with a Small Mass Difference to the Lightest Supersymmetric Particle at $\sqrt{s} = 189$ GeV.
Phys. Lett. B482 (2000) 31

Measurements of Cross Sections and Forward-Backward Asymmetries at the Z Resonance and Determination of Electroweak Parameters.
Eur. Phys. J. C16 (2000) 1

Inclusive Σ^+ and Σ^0 Production in Hadronic Z Decays.
Phys. Lett. B479 (2000) 79

Measurement of the Photon Structure Function at High Q^2 at LEP.
Phys. Lett. B483 (2000) 373

Measurement of the Lifetime of the Tau Lepton.
Phys. Lett. B479 (2000) 67

Search for an Invisibly Decaying Higgs Boson in e^+e^- Collisions at $\sqrt{s} = 183 - 189$ GeV.
Phys. Lett. B485 (2000) 85

Measurements of the $b\bar{b}$ Production Cross Section and Forward-Backward Asymmetry at Centre-of-Mass Energies above the Z Pole at LEP.
Phys. Lett. B485 (2000) 71

Search for Anomalous $ZZ\gamma$ and $Z\gamma\gamma$ Couplings in the Process $e^+e^- \rightarrow Z\gamma$ at LEP.
Phys. Lett. B489 (2000) 55

QCD Studies in e^+e^- Annihilation from 30 GeV to 189 GeV.
Phys. Lett. B489 (2000) 65

Search for Manifestations of New Physics in Fermion-Pair Production at LEP.
Phys. Lett. B489 (2000) 81

Production of Single W Bosons at $\sqrt{s} = 189$ GeV and Measurement of $WW\gamma$ Gauge Couplings.
Phys. Lett. B487 (2000) 229

Measurement of Bose-Einstein Correlations in $e^+e^- \rightarrow W^+W^-$ at $\sqrt{s} = 189$ GeV.
Phys. Lett. B493 (2000) 233

Determination of γ/Z Interference in e^+e^- Annihilation at LEP.
Phys. Lett. B489 (2000) 93

Measurement of the $W^+W^-\gamma$ Cross Section and Direct Limits on Anomalous Quartic Gauge Boson Couplings at LEP.
Phys. Lett. B490 (2000) 187

Search for Anomalous Couplings in the Higgs Sector at LEP.
Phys. Lett. B489 (2000) 102

Search for a Higgs Boson Decaying into Two Photons in e^+e^- Interactions at $\sqrt{s} = 189$ GeV.
Phys. Lett. B489 (2000) 115

Measurement of the W-Pair Production Cross Section and W-Decay Branching Fractions in e^+e^- Interactions at $\sqrt{s} = 189$ GeV.
Phys. Lett. B496 (2000) 19

Search for Charged Higgs Bosons in e^+e^- Collisions at Centre-of-Mass Energies up to 202 GeV.
Phys. Lett. B496 (2000) 34

Study of Z Boson Pair Production in e^+e^- Interactions at $\sqrt{s} = 192 - 202$ GeV.
Phys. Lett. B497 (2000) 23

Light Resonances in $K_S^0 K^\pm \pi^\mp$ and $\eta \pi^+ \pi^-$ Final States in $\gamma\gamma$ Collisions at LEP.
Phys. Lett. B501 (2001) 1 und
CERN-EP-2000-129, hep-ex/0011035

Search for R-Parity Violating Decays of Supersymmetric Particles at $\sqrt{s} = 189$ GeV.
CERN-EP-2000-130, hep-ex/0011087,
zur Veröffentl. in Eur. Phys. J. C

$K_S^0 K_S^0$ Final State in Two-Photon Collisions and Implications for Glueballs.
Phys. Lett. B501 (2001) 173 und CERN-EP-2000-135, hep-ex/0011037

Measurements of the Cross Sections for Open Charm and Beauty Production in $\gamma\gamma$ Collisions at $\sqrt{s} = 189 - 202$ GeV.
Phys. Lett. B503 (2001) 10 und
CERN-EP-2000-130, hep-ex/0011070

Search for Excited Leptons in e^+e^- Interactions at $\sqrt{s} = 192 - 202$ GeV.
Phys. Lett. B502 (2001) 37 und
CERN-EP-2000-143, hep-ex/0011068

- Higgs Candidates in e^+e^- Interactions at $\sqrt{s} = 206.6$ GeV.
Phys. Lett. B495 (2000) 18
- Search for Neutral Higgs Bosons of the Minimal Supersymmetric Standard Model in e^+e^- Interactions at $\sqrt{s} = 192 - 202$ GeV.
Phys. Lett. B503 (2001) 21
- Search for the Standard Model Higgs Boson in e^+e^- Collisions up to 202 GeV.
CERN-EP-2000-146, hep-ex/0012019,
zur Veröffentlich. in Phys. Lett. B
- Measurement of the Charm Production Cross Section in $\gamma\gamma$ Collisions at LEP.
CERN-EP-2000-155, hep-ex/0101025,
zur Veröffentlich. in Phys. Lett. B
- THE LEP COLLABORATIONS, et al.
Combination Procedure for the Precise Determination of Z Boson Parameters from Results of the LEP Experiments.
CERN-EP-2000-153, hep-ex/0101027
- A. AIRAPETIAN et al.
Evidence for a Single-Spin Azimuthal Asymmetry in Semi-Inclusive Pion Electro-Production.
Phys. Rev. Lett. 84 (2000) 4047 und DESY 99-149, hep-ex/9910062
- J. BLÜMLEIN
Analytic Continuation of Mellin Transforms up to Two-Loop Order.
Comput. Phys. Commun. 133 (2000) 76 und
DESY 98-149, hep-ph/0003100
- J. BLÜMLEIN, T. RIEMANN (Eds.)
Proc. of the 5th Zeuthen Workshop on Elementary Particle Theory, „Loops and Legs in Quantum Field Theories“, Bastei/D (2000).
Nucl. Phys. B, Proc. Suppl. 89 (2000)
- J. BLÜMLEIN, D. ROBASCHIK
On the Structure of the Virtual Compton Amplitude in the Generalized Bjorken Region: Integral Relations.
Nucl. Phys. B581 (2000) 449 und DESY 00-005, hep-ph/0002071
- J. BLÜMLEIN, V. RAVINDRAN, W.L. VAN NEERVEN
On the Drell-Levy-Yan Relation to $O(\alpha_s^2)$.
Nucl. Phys. B586 (2000) 349 und DESY 98-144, hep-ph/0004172
- E. BOOS et al.
Branching Fraction Measurement of the SM Higgs with a Mass of 160 GeV at Future Linear e^+e^- Colliders.
Eur. Phys. J. direct C5 (2000) 1
- Probing of the Wtb Coupling in $t\bar{t}$ Pair Production at Linear Colliders.
Eur. Phys. J. C16 (2000) 269
- M. CASELLE, F. GLIOZZI, S. NECCO
Thermal Operators and Cluster Topology in q State Potts Model.
J. Phys. A34 (2001) 351 und cond-mat/0006204
- M. CZAKON, J. GLUZA
Single Chargino Production with R Parity Lepton Number Violation in Electron-Electron and Muon-Muon Collisions.
hep-ph/0003228
- M. CZAKON, J. GLUZA, M. ZRALEK
Perspectives on Finding the Neutrino Nature.
hep-ph/0003161
- S. ERHAN, P. KRIZAN, T. LOHSE
B-Physics at Hadron Machines.
Nucl. Instrum. Methods A446 (2000) 1
- J. FLEISCHER, M.YU. KALMYKOV
ON-SHELL2: FORM Based Package for the Calculation of Two-Loop Self-Energy Single Scale Feynman Diagrams Occurring in the Standard Model.
Comput. Phys. Commun. 128 (2000) 531 und hep-ph/9907431
- C. FORD, G. JORJADZE, G. WEIGT
Integration of the $SL(2, R)/U(1)$ Gauged WZNW Theory by Reduction and Quantum Parafermions.
hep-th/0003246, zur Veröffentlich. in Theor. Math. Phys.
- C. FORD et al.
ADHM Construction of Instantons on the Torus.
Nucl. Phys. B596 (2001) 387 und DESY 00-080, hep-th/0005221
- R. FREZZOTTI et al.
Comparative Benchmarks of Full QCD Algorithms.
Eur. Phys. J. C16 (2000) 87 und DESY 00-104
- M. GRÜNEWALD et al.
Four Fermion Production in Electron Positron Collisions.
Four-Fermion Working Group Report of the LEP-2 Monte Carlo Workshop, CERN Geneva (1999/2000)
CERN 2000-009, hep-ph/0005309
- M. GUAGNELLI et al.
Non-Perturbative Results for the Coefficients b_m and $b_a - b_p$ in $O(a)$ Improved Lattice QCD.
Nucl. Phys. B595 (2001) 44 und DESY 00-131
- J. HEITGER, R. SOMMER, H. WITTIG
Effective Chiral Lagrangians and Lattice QCD.
Nucl. Phys. B588 (2000) 377 und DESY 00-090
- J.I. ILLANA, T. RIEMANN
Charged Lepton Flavor Violation from Massive Neutrinos in Z Decays.
Phys. Rev. D63 (2001) 053004 und
DESY 00-127, hep-ph/0010193
- F. JEGERLEHNER
Facts of Life with γ_5 .
Eur. Phys. J. C18 (2001) 673 und DESY 00-075, hep-th/0005255
- F. JEGERLEHNER et al.
Requirements for High Performance Computing for Lattice QCD: Report of the ECFA Working Panel.
CERN-2000-002, ECFA-00-200
- F. JEGERLEHNER, K. KOŁODZIEJ
Fermion Mass Effects in $e^+e^- \rightarrow 4f$ and $e^+e^- \rightarrow 4f\gamma$ with Cuts.
DESY 00-164
- G. JIKIA, A. TKABLADZE
Heavy Quark Pair Production in Polarized Photon-Photon Collisions.
DESY 00-057, hep-ph/0004068

M.YU. KALMYKOV, O. VERETIN
Single Scale Diagrams and Multiple Binomial Sums.
Phys. Lett. B483 (2000) 315

R. KERÄNEN et al.
Study of Scalar Top Quarks into Neutralino and Chargino Decay Channels at a Future e^+e^- Linear Collider.
Eur. Phys. J. direct C7 (2000) 1

F. KNECHTLI, R. SOMMER
String Breaking as a Mixing Phenomenon in the SU(2) Higgs Model.
Nucl. Phys. B590 (2000) 309 und DESY 00-078

M. KOBEL et al.
Two Fermion Production in Electron Positron Collisions.
Two-Fermion Working Group Report of the LEP-2 Monte Carlo Workshop, CERN Geneva (1999/2000)
CERN 2000-009, hep-ph/0007180

M. KOWALSKI
Tracing Tau-Neutrinos from WIMP-Annihilation.
DESY 00-125, BA-00-37, hep-ph/000918,
zur Veröffentlich. in Phys. Rev. D

M. KURTH, R. SOMMER
Renormalization and O(a)-Improvement of the Static-Light Axial Current.
Nucl. Phys. B597 (2001) 488 und DESY 00-091

L. MOSCOSO, C. SPIERING
Very High Energy Neutrinos.
C.R. Acad. Sci. Paris T.1, Ser. IV (2000) 199

K.O. OGANESSYAN et al.
Investigation of Single Spin Asymmetries in π^+ Electroproduction.
hep-ph/0010261, zur Veröffentlich. in Nucl. Phys. A

C. SPIERING
Neutrino-Astronomie bei hohen Energien.
Phys. Bl. 56 (2000) 53

Das Neutrino-Teleskop im ewigen Eis.
Phys. in unserer Zeit 2 (2000) 56

Neutrinojagd im tiefsten See der Welt.
In: Humboldts Erben, G. Graichen (Hrsg.), Lübbe Verl. (2000)

P. VAN ESCH et al.
The H1 Forward Proton Spectrometer at HERA.
Nucl. Instrum. Methods A446 (2000) 409

Veröffentlichte Vorträge

Proc. of the 5th Int. Zeuthen Workshop on Elementary Particle Theory, Loops and Legs in Quantum Field Theory, Bastei/D (2000) (Nucl. Phys. B, Proc. Suppl. 89 (2000))

J. BLÜMLEIN et al.
Quantum Field Theoretic Treatment of the Non-Forward Compton Amplitude in the Generalized Bjorken Region.
DESY 00-045, hep-ph/0007125

A.I. DAVYDYCHEV, M.YU. KALMYKOV
Some Remarks on the ϵ -Expansion of Dimensionally Regulated Feynman Diagrams.
hep-th/0005287

J. ILLANA, T. RIEMANN
Predictions for Lepton Flavor Violation in Z Decays.
DESY 00-072, hep-ph/0006055

M. JACK et al.
Predictions for Fermion Pair Production at e^+e^- Colliders.
DESY 00-073, hep-ph/0007046

O. VERETIN
Progress in the Calculation of Massless On-Shell Double Boxes.

AMANDA COLLABORATION, X. BAI et al.
WIMP Searches with AMANDA-B10.
Proc. of the 3rd Int. Workshop on the Identification of Dark Matter (IDM2000), York/GB (2000) und astro-ph/0012285

AMANDA COLLABORATION, S. BARWICK et al.
Results from the AMANDA High Energy Neutrino Detector.
Proc. of the 19th Int. Conf. on Neutrino Phys. and Astrophys., Sudbury/CAN (2000) (Nucl. Phys. B, Proc. Suppl. 91 (2001) 423) und astro-ph/0009242

AMANDA COLLABORATION, A. BIRON et al.
Physics Results from the AMANDA-B10 Experiment.
Proc. of the Int. Workshop on Non-Accelerator New Physics in Neutrino Observations (NANPino 2000), Dubna/RUS (2000)

BAIKAL COLLABORATION, V. BALKANOV et al.
Lake Baikal Neutrino Experiment: Selected Results.
Proc. of the 2nd Int. Conf. on Nonaccel. New Phys. (NANP99), Dubna/RUS (1999) (Phys. At. Nucl. 63 (2000)) und astro-ph/0001151

The Lake Baikal Neutrino Experiment.
Proc. of the 6th Int. Workshop on Topics in Astroparticle and Underground Physics (TAUP99), Paris/F (1999) (Nucl. Phys. B, Proc. Suppl. 87 (2000)) und astro-ph/000114

BAIKAL COLLABORATION, G. DOMOGATSKY et al.
The BAIKAL Neutrino Project: Status Report.
Proc. of the 19th Int. Conf. on Neutrino Phys. and Astrophys., Sudbury/CAN (2000) (Nucl. Phys. B, Proc. Suppl. 91 (2001) 431) und astro-ph/0011313

V.A. BALKANOV et al.
Water Luminescence in Lake Baikal.
1st BAIKAL-SED Int. Workshop, Berlin/D (1999) (Terra Nostra 9 (2000))

J. BLÜMLEIN
On the Relations between Polarized Structure Functions.
Proc. of the Sympos. on High Energy Spin Physics, Riken/J (1999) (RIKEN Rev. 28 (2000)) und hep-ph/9912550

- Precision of Electroweak Couplings of Scalar Leptoquarks at TESLA.
Proc. of the 7th Workshop of the 2nd ECFA/DESY Study of Physics and Detectors for a Linear Electron-Positron Collider, Hamburg/D (2000) und hep-ph/0009323
- J. BLÜMLEIN, A. KRYUKOV
Leptoquark Pair Production in $\gamma\gamma$ Scattering: Threshold Resummation.
Proc. of the Int. Workshop on High Energy Photon Colliders, Hamburg/D (2000) (Nucl. Instrum. Methods A) und DESY 99-072, hep-ph/0008097
- E. BOOS et al.
Measuring the Higgs Branching Fraction into Two Photons at Future Linear e^+e^- Colliders.
Proc. of the 5th Int. Linear Collider Workshop (LCWS 2000), Batavia/USA (2000) und DESY 00-162
- H. BÖTTCHER
The Polarized Structure Function g_1^p at Low Bjorken-x and Low Q^2 and Polarized Parton Distributions at HERMES.
Proc. of the 14th Rencontres de Physique de la Vallée d'Aoste, La Thuile/I (2000)
- P. CHRISTOVA et al.
Radiative Corrections to $e^+e^- \rightarrow \bar{f}f$.
Proc. of the 2nd Joint ECFA-DESY Workshop on Physics and Detectors for a Linear Electron-Positron Collider, Oxford/GB (1999) und hep-ph/0002054
- M. CZAKON et al.
GENIUS Project, Neutrino Oscillations and Cosmology: Neutrinos Reveal their Nature?
Proc. of the Cracow Ephiphany Conf. on Neutrinos in Physics and Astrophysics, Cracow/PL (2000) (Acta Phys. Pol. B31 (2000))
- F. ELLINGHAUS
Polarized Electron-Nucleon Scattering at TESLA.
Proc. of the Int. Workshop on Symmetries and Spin, Prague/CZ (2000)
- F. ELLINGHAUS, E.C. ASCHENAUER
TESLA-N: Polarized Electron-Nucleon Scattering at TESLA.
Proc. of the 14th Int. Spin Physics Sympos., Osaka/J (2000)
- C. FORD
QCD in a Box.
Proc. of the 32nd Int. Sympos. Ahrenshoop on the Theory of Elem. Part., Buckow/D (1998) (Fortschr. Phys. 48 (2000) 107)
- Quantum Parafermions in the $SL(2, R)/U(1)$ WZNW Black Hole Model.
Proc. of the 32nd Sympos. on Math. Phys., Torun/PL (2000) (Rep. Math. Phys.) und hep-th/0010123
- P. GARCIA-ABIA, W. LOHMANN, A. RASPEREZA
Measuring the Higgs at TESLA.
Proc. of the 5th Int. Linear Collider Workshop (LCWS 2000), Batavia/USA (2000)
- J. GUASCH et al.
Top Quark Production and Decay in the MSSM.
Proc. of the 2nd Joint ECFA-DESY Workshop on Physics and Detectors for a Linear Electron-Positron Collider, Obernai/F (1999) und DESY 00-036, hep-ph/0003109
- T. HEBBEKER et al.
First Results from the L3+C Experiment at CERN.
Proc. of the 30th Int. Conf. on High-Energy Physics (ICHEP 2000), Osaka/J (2000) und DESY 00-138
- J. HEITGER
Applications of Non-Perturbative Renormalization.
Proc. of the 30th Int. Conf. on High-Energy Physics (ICHEP 2000), Osaka/J (2000) und DESY 00-138
- S. HILLERT et al.
The Beam Trajectory Monitor for TTF-FEL at DESY.
Proc. the 7th Europ. Part. Accel. Conf. (EPAC 2000), Vienna/A (2000)
- I. IASHVILI
MSSM SUSY Searches at LEP-2.
Proc. of the 35th Rencontres de Moriond: Electroweak Interactions and Unified Theories, Les Arcs/F (2000) und hep-ex/0007001
- J. ILLANA
Resonant Production of Heavy MSSM Higgs Bosons at the Photon Collider.
Proc. of the 2nd Joint ECFA-DESY Workshop on Physics and Detectors for a Linear Electron-Positron Collider, Oxford/GB (1999) und DESY-99-167, hep-ph/9912467
- J. ILLANA, M. JACK, T. RIEMANN
Predictions for $Z \rightarrow \text{Muon} + \text{Tauon}$ and Related Reactions.
Proc. of the 2nd Joint ECFA-DESY Workshop on Physics and Detectors for a Linear Electron-Positron Collider, Obernai/F (1999) und DESY-99-165, hep-ph/0001273
- R. KAISER
Measurement of g_1^p in the Low-x and Low- Q^2 Region at HERMES. A Polarized Electron-Nucleon Scattering Experiment at TESLA.
Proc. of 7th Conf. on the Intersections of Part. and Nucl. Physics (CIPANP 2000), Quebec City/CAN (2000)
- T. KAMPS, W. RIESCH, F. TONISCH
First Operational Results of the Waveguide BPM System for the TESLA Test Facility Free Electron Laser.
Proc. of the 7th Europ. Part. Accel. Conf. (EPAC 2000), Vienna/A (2000)
- M. KLEIN
THERA – Electron Proton Scattering at $\sqrt{s} \simeq 1$ TeV.
Proc. of the 8th Int. Workshop on Deep Inelastic Scattering and QCD (DIS 2000), Liverpool/GB (2000)
- V.A. KOROTKOV, W.D. NOWAK
Future Measurements of Transversity.
Proc. of the Int. Workshop on Symmetries and Spin (Praha Spin 2000), Prague/CZ (2000)
- Future Transversity Measurements with HERMES.
Future Transversity Measurements with TESLA-N.
Proc. of the Workshop on Future Transversity Measurements, Upton/USA (2000)

TESLA-N: Electron Scattering with Polarized Targets at TESLA.
Proc. of the 2nd Workshop on Physics with an Electron Polarized
Light Ion Collider (EPIC 2000), Cambridge/USA (2000)

H. LEICH et al.

The AMANDA dAOM Project – An Example of a Distributed
DAQ and Slow Control System.
Proc. of DANEF2000, Dubna/ RUS (2000)

W. LOHMANN

General Particle Searches at LEP.
Proc. of the 30th Int. Conf. on High-Energy Physics (ICHEP
2000), Osaka/J (2000)

K. MÖNIG

What is the Case to Return to the Z-Pole? (Plenary Talk)
Forward Tracking and Measurement of the Luminosity Spectrum
at TESLA.

Proc. of the 5th Int. Linear Collider Workshop (LCWS 2000),
Batavia/USA (2000)

Future Plans of DESY, Including TESLA.

Proc. of the Int. Sympos. on LHC Physics and Detectors,
Dubna/RUS (2000)

U. MÜLLER, G. WEIGT

The Poisson Bracket Structure of the $SL(2,R)/U(1)$ Gauged WZNW
Model with Periodic Boundary Conditions.

Proc. of the 32nd Int. Sympos. Ahrenschoop on the Theory of
Elem. Part., Buckow/D (1998) (Fortschr. Phys. 48 (2000) 179)

H. NOWAK, A. SOPCZAK

Light Scalar Top Study: Charm-Neutralino and Bottom-Chargino
Channels at Future Linear Colliders.

Proc. of the 5th Int. Linear Collider Workshop (LCWS 2000),
Batavia/USA (2000)

B. PETERSEN et al.

First Results from the L3+C Experiment at CERN.
Proc. of the Chacaltaya Meeting on Cosmic Ray Physics, La
Paz/BOL (2000)

M. POHL, H.J. SCHREIBER

SIMDET – A Parametric Monte Carlo for a TESLA Detector.
Proc. of the 5th Int. Linear Collider Workshop (LCWS 2000),
Batavia/USA (2000)

R. RAMELLI et al.

Preliminary Results about Atmospheric Muons from the L3+C
Experiment at CERN.

Proc. of the Vulcano Workshop 2000: Frontier Objects in Astro-
physics and Particle Physics, Vulcano/I (2000)

A. RASPEREZA

Search for Neutral Higgs Bosons of MSSM with L3 Detector at
LEP.

Proc. of the Meeting of the APS Division of Particles and Fields,
Columbus/USA (2000) (Int. J. Mod. Phys. A)

S. RIEMANN

Indications of New Physics in Fermion Pair Production.

Proc. of the 5th Int. Linear Collider Workshop (LCWS 2000),
Batavia/USA (2000)

M. SACHWITZ

The TESLA Project.

Proc. of the 15th Int. Workshop on High-Energy Physics and
Quantum Field Theory (QFTHEP 2000), Tver/RUS (2000)

A. SOPCZAK at al.

Study of Stop into Charm Neutralino and Bottom Chargino at a
Future Linear Collider.

Proc. of the Worldwide Study on Physics and Experiments with
Future Linear e^+e^- Colliders, Sitges/Spain (1999)

C. SPIERING

Future High Energy Neutrino Telescopes.

Proc. of the 19th Int. Conf. on Neutrino Physics and Astrophysics,
Sudbury/CAN (2000) (Nucl. Phys. B, Proc. Suppl. 91 (2001) 445)
und astro-ph/0012532

Neutrino-Astrophysics with AMANDA.

Proc. of Quantum Theory Centenary Symposia, Berlin/D (2000)
(Ann. Phys. (Leipzig) 10 (2001) 131)

F. STEPHAN et al.

Photo Injector Test Facility under Construction at DESY Zeuthen.
Proc. of the 22nd Int. Free Electron Laser Conf. and 7th FEL Users
Workshop, Durham/USA (2000) (Nucl. Instrum. Methods A)

K.H. SULANKE

High Speed Links – Two Examples of their Application in Physics
Experiments and Networks.

Proc. of DANEF2000, Dubna/RUS (2000)

H. VOGT

Event Visualization.

Proc. of the 5th Int. Linear Collider Workshop (LCWS 2000), Ba-
tavia/USA (2000)

Vorträge

DPG Frühjahrstagung Teilchenphysik, Dresden/D (2000)

AMANDA COLLABORATION, A. BIRON et al.
Neutrino-Kandidaten im AMANDA-Detektor.
Cutentwicklung und -Prüfung für AMANDA-B10.

AMANDA COLLABORATION, A. BOUCHTA et al.
Overview over Physics Results from AMANDA.
Seasonal Variations of Muon Trigger Rates.

AMANDA COLLABORATION, M. KOWALSKI et al.
Rekonstruktion kaskadenartiger Ereignisse in AMANDA.

AMANDA COLLABORATION, M. LEUTHOLD et al.
Energiesmessung atmosphärischer Neutrinos: AMANDA und Ice-
Cube.

AMANDA COLLABORATION, A. SYLVESTRI et al.
Supernova-Analyse mit dem AMANDA-B10 Detektor

D. ECKSTEIN

Messung der Strukturfunktion F_L mit H1.

- A. KRÜGER
R_b Messung und Suche nach neuen Phänomenen in der Physik.
- S. LIKHODET
Search for the SM Higgs Boson in L3 Experiment at LEP Highest Energies.
- A. RASPEREZA
Search for the Higgs Bosons of the MSSM.
- U. SCHWANKE
Studien für einen L3-Trigger im HERA-B-Experiment.
- 6th Workshop of the 2nd ECFA/DESY Study on Physics and Detectors for a Linear Electron-Positron Collider, Padua/I (2000)**
- F. JEGERLEHNER
Loops for Linear Collider Physics.
- K. MÖNIG
Forward Tracking.
- K. MÖNIG, A. TONAZZO
W-Mass from Direct Reconstruction.
- W.D. NOWAK
Polarized Electron-Nucleon Scattering at TESLA.
- S. RIEMANN
Sensitivity to New Physics: $e^+e^- \rightarrow f\bar{f}$.
- H.J. SCHREIBER
The Program SIMDET – Status Report.
Muon Background in a TESLA Detector.
- A. SOPCZAK et al.
Study of Stop into Charm Neutralino and Bottom Chargino at a Future Linear Collider.
- H. VOGT
Linear Collider Detector Simulation Event Display.
- J. BLÜMLEIN
Harmonic Sums and Mellin Transforms to $O(\alpha_s^2)$.
Future Goals in Deep Inelastic Scattering (THERA).
QED Corrections to Polarized Deep Inelastic Scattering.
Hamburg/D (2000)
- The Structure of the Non-Forward Compton Amplitude.
Cracow/PL (2000)
- Deep Inelastic Non-Forward Scattering and Twist-2 Integral Relations.
Bochum/D (2000)
- The Structure of the Proton at Short Distances.
Bielefeld/D (2000)
- Recombination Corrections to Deep Inelastic Structure Functions at Small x .
Oxford/GB (2000)
- Field-Theoretic Approach to Non-Forward Compton Scattering: Twist 2 Contributions.
Leiden/NL (2000)
- The Drell-Yan-Levy Relation to $O(\alpha_s^2)$.
Carmel/USA (2000)
- Recent Developments in the Theory of Deep Inelastic Scattering.
Wien/A (2000)
- M. CZAKON et al.
Mass Spectrum and the Nature of Neutrinos.
4th Rencontres du Vietnam, Hanoi/VN (2000)
- C. FORD
CFT Black Hole Models.
12th Workshop on Beyond the Standard Model, Bad Honnef/D (2000)
- ADHM on the Torus.
Bonn/D (2000)
- The Nahm Transformation on $T^2 \times R^2$.
John Hopkins Workshop on Non-Perturbative QFT, Budapest/H (2000)
- CFT Black Hole Models.
Erlangen/D (2000)
- A. GELLRICH
A Large Linux-PC Farm for Online Event Reconstruction at HERA-B.
7th Int. Workshop on Advanced Computing and Analysis Techniques in Physics Research (ACAT 2000), Batavia/USA (2000)
- The HERA-B Experiment: An Introduction.
Purdue Univ. West Lafayette/USA (2000)
- U. GENSCHE
Status of the TESLA Project.
Parallel Computing at DESY Zeuthen: Usage and Development of Massive Parallel Computers.
Minsk/BY (2000)
- Research at DESY Zeuthen.
RECFA, Berlin/D (2000)
- J. HEITGER
Towards α_s for $N_f = 2$ from the Lattice.
Leipzig/D (2000)
- Running of α_s with two Flavours of Dynamical Fermions.
Glasgow/GB (2000)
- J. HERNANDEZ
HERA-B Overview.
5th Workshop on Heavy Quarks at Fixed Target, Rio de Janeiro/BR (2000)
- Farming in the HERA-B Experiment.
DAQ2000 Workshop, IEEE Nucl. Sci. Sympos., Lyon/F (2000)
- F. JEGERLEHNER
Die hadronischen Beiträge zur Photon-Vakuumpolarisation und ihre Rolle in der Präzisionsphysik.
Univ. Mainz/D (2000)
- Status and Recent Improvements in the Evaluation of the Running Fine Structure Constant and the Hadronic Contribution to $(g-2)_\mu$.
PSI Villigen/CH (2000)

Der Mini-Urknall im Labor: Über Materie und Antimaterie.
Humboldt-Univ. Berlin/D (2000)

Precision Measurements of $\sigma(e^+e^- \rightarrow \gamma^* \rightarrow \text{Hadrons})$ at Low Energies.
Univ. Granada/E (2000)

Confronting Electroweak Precision Measurements with New Physics Models.
Univ. Lisbon/P (2000)

The Hadronic Cross-Section in Electron Positron Annihilation at Low Energies: Introduction.
FNL INFN Frascati/I (2000)

Presentation of the Node DESY Zeuthen + Univ. Karlsruhe.
EURODAΦNE mid Term Rev. Meeting, Frascati/I (2000)

Lattice Results on QCD and CP Violation.
Univ. Rostock/D (2000)
CP-School, Prerow/D (2000)

Non-QCD Physics.
ECFA Workshop on High Performance Computing, DESY/NIC Zeuthen/D (2000)

Hadronic Contributions to the Photon Vacuum Polarization and their Role in Precision Physics.
Univ. New York/USA (2000)

R. KAISER
Particle Identification at HERMES.
ELFE Detector Workshop, CERN Geneva/CH (2000)

The HERMES RICH Detector.
GSI Darmstadt/D (2000)
RIKEN/BNL, Upton/USA (2000)

Polarized Electron-Nucleon Scattering at TESLA.
RIKEN/BNL, Upton/USA (2000)

TESLA-N: Polarized Electron-Nucleon Scattering at TESLA.
Int. Workshop on Skewed Parton Distributions and Lepton-Nucleon Scattering, DESY Hamburg/D (2000)

M.YU. KALMYKOV
Calculations of Multiloop Single Scale Diagrams: From Analytical Calculations to Computer One.
Res. Workshop on Calculations for Modern and Future Colliders, Dubna/RUS (2000)

M. KLEIN
Inclusive Deep Inelastic Scattering at Large x .
Int. Workshop on Nucleon Structure at High x , Philadelphia/USA (2000)

Lepton Scattering and the Structure of the Proton.
Kolloquiumsvortrag, Univ. Heidelberg/D (2000)

Low x Physics with H1.
Forum on Low x Physics, DESY Hamburg/D (2000)

H. KOLANOSKI
Investigation of Aging in the HERA-B Outer Tracker Drift Tubes.
IEEE Nucl. Sci. Sympos., Lyon/F (2000)

M. KURTH
Renormalisation of the B-Meson Axial Current.
Berlin/D (2000)

Renormalisation and Improvement for Static Quarks.
Glasgow/GB (2000)

M. LEUTHOLD
AMANDA – Eine Einführung für Schüler.
John-F. Kennedy Schule, Berlin/D

W. LOHMANN
 e^+e^- Physics with LEP and beyond.
28th ITEP Winter School of Physics, Moscow/RUS (2000)

K. MÖNIG
TESLA Machine Activities. (Plenary Talk)
The ECFA/DESY-Simulation Project.
Global Tracking Issues in the ECFA Detector Design.
US Linear Collider Workshop, Berkeley/USA (2000)

The Tracking Section in the TDR.
Electroweak Gauge Bosons. (Plenary Talk)
7th Workshop of the 2nd ECFA/DESY Study of Physics and Detectors for a Linear Electron-Positron Collider, Hamburg/D (2000)

Physics with Next Generation Linear Colliders.
CERN Geneva/CH (2000)
DESY Hamburg/D (2000)

Absolute and Relative Luminosity Measurements at TESLA.
CERN Geneva/CH (2000)

T. NAUMANN
Struktur der Materie – Teilchenphysik.
Vorlesungen, Univ. Leipzig/D (2000)

S. NECCO
The Topological Cluster Structure in Ising and Potts Models.
Humboldt-Univ. Berlin/D (2000)
Herbstschule für Hochenergiephysik, Maria Laach/D (2000)

K. NEGODAEVA
Vector Meson Production at HERMES.
Herbstschule für Hochenergiephysik, Maria Laach/D (2000)

W.D. NOWAK
Rates and Luminosity in $e\bar{N}$ Scattering at TESLA.
Int. Meeting on Electron Nucleon Polarized Scattering at TESLA, Regensburg/D (1999)

A. RASPEREZA
Measuring the Higgs Mass with Six Jet Events.
7th Workshop of the 2nd ECFA/DESY Study of Physics and Detectors for a Linear Electron-Positron Collider, DESY Hamburg/D (2000)

S. RIEMANN
Neue Resultate von den Experimenten am LEP-Beschleuniger.
Kolloquiumsvortrag, Univ. Hamburg/D

T. RIEMANN
Applying the S-Matrix Approach to the Z Line Shape.
Res. Workshop on Calculations for Modern and Future Colliders, Dubna/RUS (2000)

S-Matrix Approach to the Z Resonance.
5th Int. Sympos. on Radiative Corrections, Carmel/USA (2000)

T. SCHMIDT

AMANDA – Neutrinojagd am Südpol.
Tage der Physik, Cottbus/D (2000)

The Digitally Controlled Analog Optical Module for AMANDA/
IceCube.

3rd Int. Photosensor Workshop, Paris/F (2000)

Vom „Angesicht Gottes“ und „Geisterteilchen“: Astrophysik am
Südpol.

Marie-Curie-Gymnasium, Berlin/D

H.J. SCHREIBER

SIMDET – Status and Future Plans.

Muon Background Estimates in a TESLA Detector.

7th Workshop of the 2nd ECFA/DESY Study of Physics and
Detectors for a Linear Electron-Positron Collider, Hamburg/D
(2000)

Muon Background at Linear Colliders.

CERN Geneva/CH (2000)

H. SIMMA

APEmille: Status and First Physics Runs.

10th Workshop on Statistical Mechanics and Non-Perturbative
Field Theory, Bari/I (2000)

Compute Engines for Lattice QCD.

Zeuthen/D (2000)

Lattice QCD: Algorithms and Machines.

Paderborn/ D (2000)

TFlops Computing in Theoretical High Energy Physics.

Int. Comput. Accel. Phys. Conf., Darmstadt/D (2000)

R. SOMMER

The Strange Quark's Mass.

Determining the Strong Coupling α_s by Lattice Gauge Theory.
Hamburg/D (2000)

From Lattice Field Theory to the Fundamental Parameters of
Quantum Chromo Dynamics.

Heidelberg/D (2000)

Non-Perturbative Renormalization.

Glasgow/GB (2000)

QCD with Dynamical Quarks.

Wiss. Rat, DESY/NIC, Zeuthen/D (2000)

The ALPHA Collaboration.

ECFA Workshop on High Performance Computing, DESY/NIC
Zeuthen/D (2000)

C. SPIERING

Der wilde Tanz der Teilchen: Die Geschichte vom Anfang der
Welt.

Jahr der Physik, URANIA, Berlin/D

Neutrino-Astronomie mit AMANDA.

Kolloquiumsvorträge,

Univ. Bonn/D

Univ. Cottbus/D

Univ. Tübingen/D

High Energy Neutrino Astronomy.

Graduiertenkolleg, Weissig/D (2000)

AMANDA: Neutrino-Astronomie am Südpol.

DPG Tagung Extraterr. Physik, Bremen/D (2000)

Status of Underwater Neutrino Telescopes.

Nat. Sci. Found. Washington/USA (2000)

Physics Results from AMANDA.

SAGENAP, Washington/USA (2000)

Astroparticle Physics in Germany.

RECFA-Tagung, Berlin/D (2000)

P. STEFFEN

Results from the AMANDA Neutrino Telescope.

Univ. Pisa/I (2000)

F. STEPHAN

Status of the Photo Injector Test Facility in DESY Zeuthen.

Accel. Phys. Seminar, Grömitz/D (2000)

A. TKABLADZE

Spin Effects and Models of Heavy Quarkonium Production.

Heavy Quark Pair Production in Polarized Photon Photon Colli-
sions.

Int. Workshop CALC2000, Dubna/RUS (2000)

O. VERETIN

Evaluation of Massive Multiloop Diagrams: From Aproximate to
Exact Results.

ECFA/DESY Workshop, Hamburg/D (2000)

Evaluation of Massive Multiloop Diagrams.

Int. Workshop on Calculations for Modern and Future Colliders,
Dubna/RUS (2000)

G. WEIGT

The Classical and Quantum Mechanical $SL(2,R)/U(1)$ Theory.

Workshop on Recent Developments in String Theory, Conformal
Field Theory and Integrable Models, Tel Aviv/IL (2000)

The Two-Dimensional Black Hole Model in Gauged WZNW
Theories.

Univ. Mainz/D (2000)

The Classical and Quantum Structure of Gauged WZNW Theories.

Int. Workshop on Math. Phys., Tbilisi/GE (2000)

C. WIEBUSCH

Atmospheric Neutrino Analysis with AMANDA-B.

Int. Workshop on Neutrinos with Mass, Aspen/USA (2000)

Dissertationen

D. HASCH

Messung der polarisierten Strukturfunktion $g_1(x, Q^2)$ des Protons mit dem HERMES-Experiment.

Humboldt-Univ. Berlin/D (2000)

DESY-THESIS-2000-032

I. IASHVILI

Search for SUSY Partners of Fermions at LEP and Prospects for SUSY at LHC.

Humboldt-Univ. Berlin/D (2000)

M. JACK

Semianalytical Calculation of QED Radiative Corrections to $e^+e^- \rightarrow \bar{f}f$ with Special Emphasis on Kinematical Cuts to The Final State.

Humboldt-Univ. Berlin/D (2000)

DESY-THESIS-2000-030, hep-ph/0009068

M. KURTH

Non-Perturbative Renormalization of the B-Meson Axial Current.

Humboldt-Univ. Berlin/D (2000)

Diplomarbeit

A. SILVESTRI

Search for Neutrino Bursts from Supernovae with the AMANDA Detector.

Humboldt-Univ. Berlin/D (2000)

DESY-THESIS 2000-028

Linear-Collider Notes

G. ALEXANDER, J. COHEN

Møller Scattering Polarimetry for High Energy e^+e^- Linear Colliders.

LC-DET-2000-046

R. CASALBUONI et al.

 Z' Indication from new APV Data in Cesium and Searches at Linear Colliders.

LC-TH-2000-006

R. KERÄNEN et al.

Study of Scalar Top Quarks into Neutralino and Chargino Decay Channels at a Future e^+e^- Linear Collider.

LC-PHSM-2000-026

K. MÖNIG

The Use of Positron Polarization for Precision Measurements.

LC-PHSM-2000-059

Measurement of the Differential Luminosity Using Bhabha Events in the Forward-Tracking Region at TESLA.

LC-PHSM-2000-060

M-Bereich**Veröffentlichungen**

J. ANDRUSZKOW et al.

First Observation of Self-Amplified Spontaneous Emission in a Free-Electron Laser at 109 nm Wavelength.

Phys. Rev. Lett. 85 (2000) 3825 und

DESY 00-066, physics/0006010

B. AUNE et al.

The Superconducting TESLA Cavities.

Phys. Rev. STAB 3 (2000) 092001 und DESY 00-031

V. BALANDIN, H. MAIS

Some Limit Theorems for Linear Oscillators with Noise in the Coefficients.

DESY 00-165

H. DINTER, A. LEUSCHNER, K. TESCH, D. DWORAK, J. LOSKIEWICZ

Calculation of Hadron Yields around Thick Targets and Doses behind Concrete Shielding of High Energy Electron Accelerators.

Nucl. Instrum. Methods A455 (2000) 460

M. DOHLUS, A. KABEL, T. LIMBERG

Numerical Calculation of Coherent Synchrotron Radiation Effects Using Traffic **4.

Nucl. Instrum. Methods A455 (2000) 185

K. EHRET, M. FUNCKE, S. ISSEVER, T. JAGLA, S. SCHALLER, S. SPRATTE, M. SYMALLA, Y. VASSILIEV, D. WEGENER, J. KLUTE, C. MONTAG

Observations of Coasting Beam at the HERA Proton Ring.

DESY 00-018, hep-ex/0002002,

zur Veröffentl. in Nucl. Instrum. Methods A

B. FAATZ, A.A. FATEEV, J. FELDHAUS, J. KRZYWINSKI, J. PFLÜGER, J. ROSSBACH, E.L. SALDIN, E.A. SCHNEIDMILLER, M.V. YURKOV

Development of a Pump-Probe Facility with Sub-Picosecond Time Resolution Combining a High Power Ultraviolet Regenerative FEL Amplifier and a Soft X-Ray SASE FEL.

DESY 00-094

Development of a Pump-Probe Facility Combining a Far-Infrared Source with Laser-Like Characteristics and a VUV Free Electron Laser.

DESY 00-095

I. FLEGEL, J. ROSSBACH

The Bright Future of X-Ray Sources: Linac-Based Free Electron Lasers.

Europhys. News, Special Issue (2000)

Towards the Ultimate X-Ray Source: The X-Ray Laser.

CERN Cour. 40 (2000) 6

G.H. HOFFSTAETTER

Successive Approximations for Charged Particle Motion.

Ultramicroscopy 81 (2000) 3 und DESY 00-060

H.D. NUHN, J. ROSSBACH

Linac-Based Short Wavelength FELs: The Challenge to be Overcome to Produce the Ultimate X-Ray Source – The X-Ray Laser. Synchrotron Radiat. News 13 (2000) 18

C. PAGANI, E.L. SALDIN, E.A. SCHNEIDMILLER, M.V. YURKOV

Design Considerations of a MW-Scale, High Efficiency, Industrial Use, Ultraviolet FEL Amplifier. Nucl. Instrum. Methods A455 (2000) 733 und DESY 00-015

Design Considerations of 10 kw-Scale Extreme Ultraviolet SASE FEL for Lithography. DESY 00-115

J. ROSSBACH

Ultraviolet Laser at DESY. Phys. News (2000)

J. ROSSBACH, P. SCHMÜSER

Wenn Wellenreiter strahlen. Phys. unserer Zeit (2000)

M. SEIDEL, J. KOUPTSIDIS, G. NAWRATH, U. SCHNEEKLOTH, K. ZAPFE

The Vacuum System for the Upgraded HERA Interaction Regions. Vacuum 60 (2001) 267

Veröffentlichte Vorträge

Proceedings, DESY Beschleuniger-Betriebsseminar, Grömitz/D (2000) (DESY M 00-05, DESY M 00-06 (Nachtrag))

R. BACHER

Das Beschleunigerkontrollsystem im BKR.

W. BIALOWONS

Stand der TESLA Planung.

M. BIELER

HERA-Betrieb 1999/2000.

F. BRINKER

DORIS – The Next Generation.

R. BRINKMANN

TESLA Challenges.

H.D. BRÜCK

Supraleitende Magnete für den HERA Lumi-Upgrade – Testergebnisse.

M. DOHLUS

Berechnung von Wakepotentialen.

H.T. DUHME

Feedbackelektronik TTF.

H. EHRLICHMANN

Neues von PETRA.

F. FAUBLADIER

Vorstellung und Auswertung des elektronischen MKK-Logbuchs.

K. FLÖTTMANN

Der Freie Elektronen Laser am TESLA Linac.

E. GIANFELICE-WENDT

Polarisation 2001.

S. HERB

Networks and Fieldbusses: Some Trends.

G.H. HOFFSTAETTER

HERA Accelerator Studies 2000.

K. HONKAVAARA

Neue Strahldiagnostik TTF.

W. KRIENS

Neue Kontrollen für die Frequenzsteuerung und Synchronisation bei HERA-p.

L. LILJE

Supraleitende Hochfrequenzresonatoren für TESLA.

M. MINTY

Emittance Preservation in Linear Accelerators.

C. MONTAG

Coasting Beam Experience in HERA-p.

M. NAGL

LINAC/PIA News.

J. PFLÜGER

Undulator Systems for the TESLA X-FEL.

D. RAMERT

Ein neues Personeninterlock an den Beschleunigern bei DESY.

D. RENKEN

S.L. Cavity-Betrieb.

F. STULLE

HERA Strahlkontrollen, neue Wechselwirkungszonen.

E. VOGEL

On the Longitudinal Stability in the HERA Proton Storage Ring.

R. WANZENBERG

TESLA Strahldynamik.

H. WEISE

TTF Überblick.

M. WERNER

Neue Wirescanner.

F. WILLEKE

HERA Luminosity Upgrade Commissioning.

Proc. of the 7th Europ. Part. Accel. Conf. (EPAC 2000), Vienna/A (2000)

R. ASSMANN et al.

Stability Considerations for Final Focus Systems of Future Linear Colliders.

- N. BABOI, R. BRINKMANN, H. CHEN, M. LIEPE, J. SEKUTOWICZ
HOM Damping Requirements for the TESLA Superstructures.
- N. BABOI, M. DOHLUS, C. MAGNE, A. MOSNIER, O. NAPOLY, H.W. GLOCK
Investigation of a High-Q Dipole Mode at the TESLA Cavities.
- V.V. BALANDIN, N.I. GOLUBEVA, L.V. KRAVCHUK, V.A. MOISEEV, V.V. PARAMONOV, K. FLÖTTMANN
The Positron Injector Linac for TESLA.
- D.P. BARBER, R.A. MELIKIAN
On the Possibility of Precise Measurement of Electron Beam Energy Using Resonance Absorption of Laser Light by Electrons in a Static Magnetic Field.
- G. BISOFFI et al.
First Results with the Full Niobium Superconducting RFQ Resonator at INFN-LNL.
TUOAF 202
- H.H. BRAUN, R. CORSINI, L. GROENING, F. ZHOU, A. KABEL, T.O. RAUBENHEIMER, R. LI, T. LIMBERG
Emittance Growth and Energy Loss Due to Coherent Synchrotron Radiation in the Bunch Compressor of the CLIC Test Facility (CTF II).
- F. BRINKER, A. FEBEL, G. HEMMIE, N. LIU, H. NESEMANN, M. SCHMITZ, K. TESCH, S. WIPF
ARI – A Storage Ring for Non-Invasive Coronary Angiography.
- R. BRINKMANN, YA.S. DERBENEV, K. FLÖTTMANN
A Low Emittance, Flat-Beam Electron Source for Linear Colliders.
- R. BRINKMANN, M. DOHLUS, D. TRINES, A. NOVOKHATSKI, M. TIMM, T. WEILAND, P. HÜLSMANN, C.T. RIECK, K. SCHARNBERG, P. SCHMÜSER,
Terahertz Wakefields and their Effect on the Superconducting Cavities in TESLA.
- R. BRINKMANN, N. WALKER, O. NAPOLY, J. PAYET
A New Beam Delivery System (BDS) for the TESLA Linear Collider.
- W. DECKING, R. BRINKMANN
Space Charge Problems in the TESLA Damping Ring.
- YA.S. DERBENEV
Prospects of High Energy Electron Cooling.
- M. DOHLUS, S.G. WIPF
Numerical Investigations of Waveguide Input Couplers for the TESLA Superstructure.
- G.V. DOLBILOV et al.
Compact Infrared FEL for Scientific Applications.
- H.J. ECKOLDT, F. FAUBLADIER, N. HEIDBROOK
Constant-Power Power Supplies for the TESLA Modulators.
- K. FLÖTTMANN, V.V. PARAMONOV
A Method for Reduction of the Reflected Power and Overvoltage in RF Systems.
- S. HILLERT, P. HOLL, P. LECHNER, R. ISCHEBECK, S. KARS-TENSEN, U.C. MÜLLER, J.S.T. NG, S. ROTH, G. PETZOLD, H. THOM
The Beam Trajectory Monitor for the TTF-FEL at DESY.
- G.H. HOFFSTAETTER
Future Possibilities for HERA.
Electron Dynamics after the HERA Luminosity Upgrade.
- B. HOLZER, C. MONTAG
Reproducibility and Predictability of Persistent Current Effects in the HERA Proton Storage Ring.
- W. KRIENS, M. MINTY
Longitudinal Schottky Signal Monitoring for Protons in HERA.
- YU. MARTIROSYAN, V. AYVAZYAN, K. BALEWSKI, R. BRINKMANN, P. WESOLOWSKI, YA.S. DERBENEV
Conceptual Design of Recirculator Ring for Electron Cooling at PETRA-p.
- E. MERKER, I. YAZYNNIN, O. NAPOLY, R. BRINKMANN, N. WALKER, A. DROZHDIN
Design of Beam and Beamstrahlung Extraction Lines for TESLA.
- I.N. MESHKOV, E.L. SALDIN, E.A. SCHNEIDMILLER, E.M. SYRESIN, M.V. YURKOV
Perspective of DELSY for the Fourth Generation SR Facility.
- M. MINTY
Collective Effects Associated with Ultra-High Beam Intensities in Factories.
- V.A. MOISEEV, V.V. PARAMONOV, K. FLÖTTMANN
Comparison of Standing and Travelling Wave Operations for a Positron Pre-Accelerator in the TESLA Linear Collider.
- C. MONTAG
Ground Motion Measurements in a HERA Interaction Region.
- C. MONTAG, J. KLUTE
Unbunched Beam Cleaning in HERA-p.
- C. MONTAG, F. STULLE
Simulation of Orbit Correction and Synchrotron Radiation Aspects in the Upgraded HERA Interaction Regions.
- C. PAGANI, E.L. SALDIN, E.A. SCHNEIDMILLER, M.V. YURKOV
Design Considerations of a MW-Scale, High Efficiency, Industrial Use, Ultraviolet FEL Amplifier.
- J. PETERS
Review of High Intensity H^- Sources and Ultra-Short Electron Bunches.
- I. REYZL
Stabilization of Beam Interaction in the TESLA Linear Collider.
- I. REYZL, S. SCHREIBER
Luminosity Issues for the e^-e^- Option of the TESLA Linear Collider.

D. ROBIN, C. STEIER, J. SAFRANEK, W. DECKING
Enhanced Performance of the Advanced Light Source through
Periodicity Restoration of the Linear Lattice.

J. ROSSBACH
Recent SASE Free Electron Laser Results.

H. SCHLARB
Diagnostic Tools for Ultra-Low Emittance and Ultra-Short Electron
Bunches.

S. SCHREIBER (for the TESLA Collaboration)
Performance Status of the RF-Gun Based Injector of the TESLA
Test Facility Linac.

M. SEIDEL, F. WILLEKE
Layout of the Upgraded HERA Interaction Regions.

W. SINGER, I. GONIN, I. JELEZOV, H. KAISER, T. KHABI-
BOULINE, P. KNEISEL, K. SAITO, X. SINGER
Hydro Forming of TESLA Cavities at DESY.

P. WESOLOWSKI
Electron Cooling at PETRA Using a Bunched Beam.

P. WESOLOWSKI, K. BALEWSKI, R. BRINKMANN, K.
FLÖTTMANN, YA. DERBENEV, YU. MARTIROSYAN
Electron Cooling at PETRA Using a Bunched Beam.

A. ZHOLENTS, W. DECKING
Non-Gaussian Beam Tails at the Advanced Light Source.

**Proc. of the 22nd Int. FEL Conf. and 7th FEL Users Work-
shop, Durham/USA (2000)**

B. FAATZ, A.A. FATEEV, J. FELDHAUS, H. FRANZ, J. KRZY-
WINSKI, J. PFLÜGER, J. ROSSBACH, E.L. SALDIN, J.R.
SCHNEIDER, E.A. SCHNEIDMILLER, M.V. YURKOV
Development of a Facility for Probing the Structural Dynamics
of Materials with Femtosecond X-Ray Pulses.

B. FAATZ, A.A. FATEEV, J. FELDHAUS, J. KRZYWINSKI, J.
PFLÜGER, J. ROSSBACH, E.L. SALDIN, E.A. SCHNEIDMIL-
LER, M.V. YURKOV
Development of a Pump-Probe Facility Combining a Far-Infrared
Source with Laser-Like Characteristics and a VUV Free Electron
Laser.

B. FAATZ, A.A. FATEEV, J. FELDHAUS, J. KRZYWINSKI, J.
PFLÜGER, J. ROSSBACH, E.L. SALDIN, J.R. SCHNEIDER,
E.A. SCHNEIDMILLER, M.V. YURKOV
Development of a Pump-Probe Facility with Sub-Picosecond Time
Resolution Combining a High-Power Ultraviolet Regenerative FEL
Amplifier and a Soft X-Ray SASE FEL.

B. FAATZ, J. PFLÜGER
Different Focusing Solutions for the TTF-FEL Undulator.

C. GERTH, B. FAATZ, T. LOKAJCZIK, R. TREUSCH, J. FELD-
HAUS
Photon Diagnostics for the Study of Electron Beam Properties of
a VUV SASE FEL at DESY.

M. HÜNING, P. PIOT, H. SCHLARB
Observation of Longitudinal Phase Space Fragmentation at the
TESLA Test Facility Free Electron Laser.

T. LIMBERG, P. PIOT, E. SCHNEIDMILLER
An Analysis of Longitudinal Phase Space Fragmentation at the
TESLA Test Facility.

C. PAGANI, E.L. SALDIN, E.A. SCHNEIDMILLER, M.V. YUR-
KOV
Design Considerations of 10 kW-Scale Extreme Ultraviolet SASE
FEL for Lithography.

Design Considerations of a MW-Scale, High-Efficiency, Indus-
trial-Use, Ultraviolet FEL Amplifier.

J. ROSSBACH
Observation of Self-Amplified Spontaneous Emission in the Wave-
length Range from 80 nm to 180 nm at the TESLA Test Facility
FEL at DESY.

S. ROTH, S. SCHAEEL, G. SCHMIDT
A Test of the Laser Alignment System ALMY at the TTF-FEL.

E.L. SALDIN, E.A. SCHNEIDMILLER, V. SHVYDKO, M.V.
YURKOV
X-Ray FEL with meV Bandwidth.

E.L. SALDIN, E.A. SCHNEIDMILLER, M.V. YURKOV
Diffraction Effects in the SASE FEL: Numerical Simulation and
Theory.
The General Solution of the Eigenvalue Problem for a High-Gain
FEL.

G. SCHMIDT, U. HAHN, M. MESCHKAT, F. RIDOUT
First Results of the High Resolution Wire Scanners for Beam
Profile and Absolute Beam Position Measurement at the TTF.

D. SERTORE, S. SCHREIBER, K. ZAPFE, D. HUBERT, P. MI-
CHELATO
Dark Current at TTF RF Gun.

**Proc. of the 21st Int. Conf. on Free Electron Laser and 6th
FEL Applications Workshop (FEL'99), Hamburg/D (1999)
(Nucl. Instrum. Methods A445 (2000))**

H. EDWARDS, M. CASTELLANO, L. CATANI, A. CIANCHI,
M. FERRARIO, M. GEITZ, S. SCHREIBER, D. SERTORE, F.
STEPHAN
Transverse Emittance Measurements in the TTF Injector.

J. STANGL
High-Resolution X-Ray Diffracton Studies of Self-Organized
SiGe(C) Islands.
Univ. of Linz/A (2000)

M. GEITZ, S. SCHREIBER, G. VON WALTER, D. SERTORE,
M. BERNARD, B. LEBLOND
Determination of the Longitudinal Phase Space Distribution Prod-
uced with the TTF Photo Injector.

S. HILLERT, R. ISCHEBECK, U.C. MÜLLER, S. ROTH, K. HANSEN, P. HOLL, S. KARSTENSEN, J. KEMMER, P. LECHNER, J.S.T. NG, L. STRÜDER

Test Results of the Silicon Pixel Detector for the TTF-FEL Beam Trajectory Monitor.

P. MICHELATO, D. SERTORE, C. GESMUNDO
High Quantum Efficiency Photocathode Preparation System for TTF Injector II.

J. PFLÜGER, P. GIPPNER, A. SWIDERSKI, T. VIELITZ
Magnetic Characterization of the Undulator for the VUV-FEL at the TESLA Test Facility.

S. SCHREIBER (for the TESLA Collaboration)
First Running Experience with the RF Gun Based Injector of the TESLA Test Facility Linac.

S. SCHREIBER, D. SERTORE, P. MICHELATO, M. FERRARIO, G. VON WALTER, N. WALKER
Measurement of Space Charge Effects and Laser Pulse Length in the TTF RF Gun Using the Phase Scan Technique.

I. WILL, S. SCHREIBER, A. LIERO, W. SANDNER
The TTF Photocathode Laser.

F. ZHOU, M. DOHLUS
Wakefield Induced Correlated Energy Spread and Emittance Growth at TTF FEL.

Proc. of the 3rd Int. Workshop on PCs and Part. Accel. Controls (PCaPAC), Hamburg/D (2000)

A. AGABABYAN, V. KOCHARYAN, K. REHLICH
An Integrated Finite State Machine to Automate TTF Operation.

R. BACHER
Status of the DESY Accelerator Control Systems.

R. BACHER, J. NETCHAEV, V. SOLOVIEV
PC Based State and Permit Server for the HERA Machine.

M. BIELER, P. DUVAL, A. KURAKIN, V. SOLOVIEV, V. YARIGIN
New Features of the Alarm System for the HERA Machine.

M. CLAUSEN
SCADA – Current State and Perspective.

P. DUVAL
The TINE Control System Protocol: Status Report.

W. GERHARDT, U. GLÖER, K. HINSCH, G. MANN, F. WEDTSTEIN
The PC Control System for LINAC-2.

O. HENSLER, K. REHLICH
UNIX Based Front-End Processors Used for DOOCS at the TESLA Test Facility.

Z. KAKUCS, P. DUVAL, M. CLAUSEN
An EPICS to TINE Translator.

T. KLEINWORT, K. WOLLER
YaST 2 Based Automated Linux Installations at DESY – Taking Central Linux Support to the Next Level.

A. KURAKIN
Using NT as the High Level Automation Component for Magnetic Measurements of the Superconducting HERA Magnets.

A. LABUDDA
Controlled Access to Restricted Areas of DESYs Accelerators.

A. LABUDDA, R. SCHRÖDER
Fit Algorithm for Beam Position Measurement.

U. LAUSTRÖER, R. SCHMITZ, R. STADTMÜLLER
Managing the PCs of the Control System for the DESY Accelerators.

J. MAASS
The HERA Sequencer.

W. SCHÜTTE
A Survey of Basic Storage Systems for Large Amounts of Particle Accelerator Data.

J. SCHWARZ
The Res-Gas Ionization Monitor in PETRA.

F. SOLODOVNIK, K. WITTENBURG
High Performance Multiprotocol Network Video Application for Beam Diagnostics.

J. WILGEN
Beam Position Control at DORIS.
Linux in HERA Controls.

S. WILKE, H. EHRLICHMANN
Expectations to a Control System from Different User Groups.

Proc. of the 20th Int. Linear Accel. Conf. (LINAC 2000), Monterey/USA (2000)

N. BABOI, M. LIEPE, J. SEKUTOWICZ, M. FERRARIO
Superconducting Superstructure for the TESLA Collider.

A. BLEDNYKH et al.
Rectangular Waveguide HOM Couplers for a TESLA Superstructure.

R. BRINKMANN
TESLA Linear Collider – Design and R&D Status.

P. CASTRO
Overview of SASE Experiments.

M. LIEPE
Pulsed Superconductivity Acceleration.

R. WANZENBERG
A Fast Switchyard for the TESLA FEL-Beam Using a Superconducting Transverse Mode Cavity.
Lattice Matching with a Quadrupole Missing.

Proc. of the TESLA Input Coupler Workshop at LAL, Orsay/F (2000)

C. BENVENUTI, D. PROCH

Thin Film NEG Coating for RF-Couplers.

G. DEVANZ

Multipactor Calculations.

M. DOHLUS, H. HARTWIG, J. BOSTER, M. SEIDEL, A. ZAVADTSEV

TESLA Waveguide Coupler.

T. GARVEY

Summary of Input Coupler Workshop.

L. GRANDSIRE

The Orsay-Saclay Coupler Design.

D.V. KOSTIN, M.V. LALAYAN, W.D. MÖLLER, D. PROCH, S.N. YARIGIN

TTF Linac ACC1 (Module 3) Input Couplers Performance.

D.V. KOSTIN, M.V. LALAYAN, W.D. MÖLLER, D. PROCH, S.N. YARIGIN, A. ZAVADTSEV

Argon Discharge Treatment of Input Couplers.

P. LEQERCQ, T. GARVEY, R. PANVIER, C. TRAVIER, S. CHEL, M. DESMONS

Low Level Measurements on Reduced Height Waveguide Transition.

J. LORKIEWICZ, B. DWERSTEG

Current Activities in TiN Coating at DESY.

C. MARTENS

Experiences and Problems in Designing and Manufacturing Coaxial Couplers.

D. PROCH, B. DWERSTEG

Coaxial Input Coupler Design for the TTF Superstructure.

R. ROUVIERE

Conditioning Couplers and Preventive Measures.

J. SEKUTOWICZ

Update on Input Coupler Specification for the TESLA Superstructure.

C. TRAVIER

Results from the Travelling Wave Window Tests.

Second Lambda/2 Window Preliminary Results.

S.N. YARIGIN

Conditioning of TTF Input Couplers.

A. ZAVADTSEV

Rectangular Waveguide Input Coupler for Superstructure.

A. ZAVADTSEV, D. PROCH

RF Losses in Cu Surface with TiZrV Coating.

D.P. BARBER

Electron/Positron Polarization at HERA.

Proc. of the 2nd ERIC Workshop, New Haven/USA (2000)

Electron and Positron Polarization at HERA: Past and Future.

Proton and Electron Polarization in Storage Rings: Some Basic Concepts.

Proc. of the 2nd Workshop on Phys. with a Polarized-Electron Light-Ion Collider (EPIC), Boston/USA (2000)

D.P. BARBER, J. ELLISON, K. HEINEMANN

Quasi-Periodicity of Spin Motion in Storage Rings – A New Look at Spin Tune.

Proc. of the 14th Int. Spin Phys. Sympos., Osaka/J (2000)

D.P. BARBER, G.H. HOFFSTAETTER, M. VOGT

Proton and Electron Polarization in Storage Rings: Some Basic Concepts.

Proc. of the 2nd Workshop on Phys. with a Polarized-Electron Light-Ion Collider (EPIC), Boston/USA (2000)

Using the Amplitude Dependent Spin Tune to Study High Order Spin-Orbit Resonances in Storage Rings.

Proc. of the 14th Int. Spin Phys. Sympos., Osaka/J (2000)

H.G. BROCKMEIER, W. SINGER, H. KAISER

Influence of Pre-Annealing on the Texture of a Niobium Tube.

Proc. of the Int. Conf. on Processing & Manufacturing of Adv. Materials (THEMEC 2000), Las Vegas/USA (2000)

W. DECKING

Small Horizontal Emittance in the TESLA Damping Ring.

Proc. of the Int. Workshop on High Energy Proton Colliders, Hamburg/D (2000)

The TESLA Linear Collider.

Proc. of the Meeting of the APS Division of Particles and Fields, Columbus/USA (2000) (Int. J. Mod. Phys. A)

M. DOHLUS

Wake Fields of Bunches on Curved Trajectories.

Proc. of the 6th Int. Conf. on Comput. Accel. Phys. (ICAP 2000), Darmstadt/D (2000)

D. DWORAK, J. LOSKIEWICZ

Direct Energy Deposition in the Lateral Concrete Shielding of the TESLA Water Dump and the Rise of Shielding Temperature.

Proc. on INP, Krakow/PL und Report No. 1854/PH (2000)

P. DUVAL

Use of TINE at DESY.

Latest Features of ACOP.

Proc. of the COACK Workshop, KEK Tsukuba/J (2000)

YU.P. FILIPPOV, E.N. KULAGIN, V.M. MIKLAYEV, A.K. SUKHANOVA, S. WOLFF

Tests of the Cryogenic Thermometers at Very Big Doses of Gamma Radiation.

Proc. of the 18th Int. Cryogenic Engineering Conf. (ICEC 18), Mumbai/I (2000)

E. GADWINKEL, H. HERZOG, H. LIERL, F. QUAST

Investigation of Damages of the Slide Bearings in the HERA Helium Screw Compressors.

Proc. of the 18th Int. Cryogenic Engineering Conf. (ICEC 18), Mumbai/I (2000)

A. GAMP

Recent Progress at the TESLA Test Facility.
Proc. of the Nat. 17th Conf. on Accel., Protvino/RUS (2000)

Servo Control of RF Cavities under Beam Loading.
Proc. of the CERN Accel. School on RF Engineering, Seeheim/D (2000) und DESY HERA 00-04

E. GIANFELICE-WENDT, D.P. BARBER, M. BERGLUND
Polarized Electrons at HERA: Experience and Expectations after the Luminosity Upgrade.
Proc. of the 14th Int. Spin Phys. Sympos., Osaka/J (2000)

H. HENSCHER, O. KÖHN, M. KÖRFER, T. STEGMANN, K. WITTENBURG, F. WULF
Optical Fiber Dosimetry at the TESLA Test Facility (TTF).
Proc. of the 9th Beam Instrum. Workshop (BIW 2000), Cambridge/USA (2000)

G.H. HOFFSTAETTER

State of the Art in Particle Tracking.
Proc. of the 6th Int. Conf. on Comput. Accel. Phys. (ICAP 2000), Darmstadt/D (2000)

A. LEUSCHNER

Calculation of Hadron Yields around Thick Targets and Doses behind Concrete Shielding of High Energy Electron Accelerators.
Proc. of the 5th Specialist Meeting on Shielding Aspects of Accel., Targets and Irrad. Facilities (SATIF 5), Paris/F (2000)

J. LUND-NIELSEN, K. REHLICH, S. SIMROCK, T. CHERNOUSKO

Hardware Developments for the Low Level RF System at the TESLA Test Facility.
Proc. of the Nat. 17th Conf. on Accel., Protvino/RUS (2000)

H. MAIS

Computational Needs for Large Circular Accelerators.
Proc. of the 6th Int. Conf. on Comput. Accel. Phys. (ICAP 2000), Darmstadt/D (2000)

Stochastic Beam Dynamics.

Summary Report of Working Group – Beam Dynamics and Quantum Fluctuations.
Proc. of the 18th Adv. ICFA Beam Dynamics Workshop on Quantum Aspects of Beam Physics, Capri/I (2000)

C. MONTAG, B. HOLZER

Persistent Current Effects in HERA-p.
US-LHC Collaboration Meeting on Accel. Phys. Experiments for Future Hadron Colliders, Upton/USA (2000)

B. PETERSEN, S. WOLFF

Numerical Simulations of Possible Fault Conditions in the Operation of the TTF/FEL and TESLA Linear Accelerators.
Proc. of the 18th Int. Cryogenic Engineering Conf. (ICEC 18), Mumbai/I (2000)

F. SOLODOVNIK

Distributed Real Time TV Beam Diagnostic System.
Proc. of the Nat. 17th Conf. on Accel., Protvino/RUS (2000)

H.M. WEN, W. SINGER, D. PROCH, L.Z. LIN, L.Y. XIAO
Cavity RRR Test with Eddy Current Method for TESLA Test Facility.
Proc. of the 18th Int. Cryogenic Engineering Conf. (ICEC 18), Mumbai/I (2000)

M. WENDT, J.R. MAIDMENT

The DESY III Beam Orbit Measurement System.
Proc. of the 9th Beam Instrum. Workshop (BIW 2000), Cambridge/USA (2000)

K. WITTENBURG

(Anlässlich der Verleihung des 2000 Faraday Cup Award for Innovative Achievement in Instrument Design)
The Pin-Diode Loss Monitors System at HERA.
Proc. of the 9th Beam Instrum. Workshop (BIW 2000), Cambridge/USA (2000)

Vorträge

W. BIALOWONS

TESLA: Ein supraleitender Linear Collider mit integrierten Röntgenlasern und ein neues interdisziplinäres Forschungszentrum in Ellerhoop.
Einwohnergvers. der Gemeinde Kummerfeld/D (2000)

Ein Tunnel unter Halstenbek: TESLA: Ein supraleitender Linear Collider mit integrierten Röntgenlasern und ein neues interdisziplinäres Forschungszentrum in Ellerhoop.
Einwohnergvers. der Gemeinde Halstenbek/D (2000)

TESLA: Ein Tunnel und ein interdisziplinäres Zentrum für die Forschung.
IWW-Forum, Ellerhoop/D (2000)

Conventional Facilities for TESLA: A Superconducting Linear Collider with an Integrated X-Ray Free Electron Laser Facility at DESY.
Workshop on Infrastructure for a Linear Collider and Accel. Phys. at Fermilab, Batavia/USA (2000)

TESLA: Ein außergewöhnlicher Tunnel für die Forschung.
Forum Geotechnik und Baubetrieb der TU Hamburg-Harburg, Hamburg/D (2000)

W. BIALOWONS, H. KRECH

TESLA: Ein supraleitender Linear Collider mit integrierten Röntgenlasern und ein neues interdisziplinäres Forschungszentrum in Ellerhoop: Die TESLA Tunneltrasse in Rellingen.
Informationsvers. der ev.-luth. Kirchengem. Rellingen/D (2000)

S. CHORоба

The TESLA Klystron and Modulator.
CERN Geneva/CH (2000)

M. EBERT

Conception and Operational Experiences of the 500 MHz RF Systems at DESY.
Automatic Phasing of the HERA-e RF Systems.
CW RF Users Group Meeting, Argonne/USA (2000)

- A. GAMP
RF Systems.
Lectures, SESAME Workshop, Amman/JO (2000)
- G.H. HOFFSTAETTER
Chaos oder Stabilität im Sonnensystem.
Habilitationvortrag, Darmstadt/D (2000)
- HERA Accelerator Studies.
BESSY II, Berlin/D (2000)
- Review of Special Relativity.
Review of Electro-Magnetism.
Joint Univ. Accel. School, Archamps/F (2000)
- The Physics of Particle Accelerators.
DESY Summer School, Hamburg/D (2000)
- H. MAIS
Theoretische Probleme der Beschleunigerphysik.
Graduiertenkolleg, Hamburg/D (2000)
- C. MONTAG
Luminositätserhöhung beim Elektron-Proton Collider-Ring HERA.
Dortmund/D (2000)
- Unbunched Beam Cleaning in HERA-p.
BNL Upton/USA (2000)
Fermilab Batavia/USA (2000)
- W. SINGER
Hydroforming of Nb/Cu Cavities.
Joint Meeting of KEK and DESY, Hamburg/D (2000)
- W. SINGER, A. BRINKMANN, H. KAISER, D. PROCH
Diagnostic of Defects in High Purity Niobium for Superconducting Radiofrequency Cavity.
Heraeus-Seminar on Challenges of Applied Cryoelectronics, Ebsdorfergrund/D (2000)
- W. SINGER, H. KAISER, D. PROCH
Application of High Purity Niobium for Superconducting TESLA Cavities.
Tantalum and Niobium Sympos., San Francisco/USA (2000)
- E. VOGEL
Nachweis von longitudinalen Multibunch-Schwingungen im Protonenspeicherring von HERA.
DPG Frühjahrstagung Teilchenphysik, Dresden/D (2000)
- F. WILLEKE
Emittance Preservation in Hadron Accelerators.
CERN-School JAS 2000, St. Petersburg–Moscow/RUS (2000)
- K. WITTENBURG
Emittance Measurement in the Proton Accelerators at DESY.
LHC Emittance Workshop, Geneva/CH (2000)
- S.WOLFF
The Large Helium Cryogenic Systems of HERA and TESLA – A Report on Experience and Planning.
Workshop on Cryogenics for Large Systems, Gandhinagar/I (2000)

Habilitation

- G.H. HOFFSTAETTER
Aspects of the Invariant Spin Field for High Energy Polarized Proton Beams.
Darmstadt/D (2000)

Dissertationen

- S. REICHE
Numerical Studies for a Single Pass High Gain Free-Electron Laser.
Univ. Hamburg/D (2000)
DESY-THESIS-2000-012
- M. VOGT
Bounds on the Maximum Attainable Equilibrium Spin Polarization of Protons at High Energy in HERA.
Univ. Hamburg/D (2000)
DESY-THESIS-2000-054

Diplomarbeit

- F. STULLE
Einfluss externer Störungen auf die Stabilität des Wechselwirkungspunktes bei HERA.
Univ. Hamburg/D (2000)
DESY-THESIS-2000-053

HERA Berichte

- C. MONTAG
Momentum Collimation in the HERA Proton Storage Ring.
DESY HERA 00-05
- M. SEIDEL
The Upgraded Interaction Regions of HERA.
DESY HERA 00-01
- E. VOGEL
Realtime Measurement of Single Bunch Phase and Lengths at the HERA Proton Storage Ring and the Observation of Multibunch Oscillations.
DESY HERA 00-08
- E. VOGEL, W. KRIENS, U. HURDELBRINK
Measurement Setup for Bunched Beam Echos in the HERA Proton Storage Ring.
DESY HERA 00-09
- K. WITTENBURG
The PIN-Diode Beam Loss Monitor System at HERA.
DESY HERA 00-03
- M.P. ZORZANO, R. WANZENBERG
Intrabeam Scattering and the Coasting Beam in the HERA Proton Ring.
DESY HERA 00-06

HERA Accelerator Studies 1999 DESY HERA 00-02

G.H. HOFFSTAETTER (Ed.)

Y. ALEXAHIN, F. BRINKER, G.H. HOFFSTAETTER
Detection of Localized Sources of Coupling and Focusing Perturbations from Injected Beam First Turn Trajectories.

M. BIELER, E. GIANFELICE, G.H. HOFFSTAETTER, T. LIMBERG, M. MINTY, F. WILLEKE
Experiments about the Beam-Beam Effect at HERA.

M. EBERT, K. RUTSCH, F. WILLEKE
Experiment zum transienten Beamloading im HERA Elektronenring.

G.H. HOFFSTAETTER
Luminosity and Dynamic Aperture of a 72° HERA-e Optics.

B. HOLZER
Measurement of the Center Frequency in the HERA Electron Ring.

B. HOLZER, A. MESECK
Measurement of the Beta Function and the Dispersion in the HERA Proton Ring.

O.R. JONES, C. MONTAG, M. WENDT
Excitation Studies for the „Head-Tail“ Phase Shift Chromaticity Measurement Method.

A. MESECK
Tail Scan Experiments I at HERA-e.
Tail Scan Experiments II at HERA-e.
Dispersion Measurement at HERA-e.

C. MONTAG
Coasting Beam Studies.
HERA-p Tail Shaping Using Dipole Kicks.

C. MONTAG, K. EHRET, S. ISSEVER
Stabilization of HERA-B Interaction Rates Using Tune Modulation.

S. SPRATTE
Comparison between Coasting Beam at 820 GeV and 920 GeV.

E. VOGEL, W. KRIENS, U. HURDELBRINK
Longitudinal Beam-Transfer-Function Measurements for HERA-p.

K. WITTENBURG
Improvements of the HERA Electron Beam Loss Monitor System.

HERA Accelerator Studies 2000 DESY HERA 00-07

G.H. HOFFSTAETTER (Ed.)

F. BRINKER, E. GIANFELICE
Measurements of Beam Lifetime versus RF Voltage at HERA-e.

H. BURKHARDT, U. HURDELBRINK, W. KRIENS
Energy Loss Measurement at HERA-p.

W. DECKING
Simultaneous Global Orbit and Dispersion Correction.

W. FISCHER, F. SCHMIDT, R. TOMAS, S. HERB, M. WERNER
Measurement of Dynamic Aperture and Resonant Terms at HERA-p at Injection Energy.

E. GIANFELICE
Measurement of Beam Polarization in a 72° Spin Matched Optics.

G.H. HOFFSTAETTER
Observations about the HERA Luminosity.
Luminosity Scans for a 60° and a 72° Optics in HERA-e.
Optimized Luminosity Scans for a Spinmatched 72° Optics in HERA-e.

C. MONTAG, K. EHRET, M. FUNCKE
Systematic Tune Modulation Frequency Scans.

F. STULLE
Orbit Effect of a Misaligned Magnet Girder.

E. VOGEL
Measurement of Multi Bunch Oscillations at Different Fill Patterns of the HERA Proton Storage Ring.

E. VOGEL, W. KRIENS, U. HURDELBRINK
Measurement Setup for Bunched Beam Echoes in the HERA Proton Storage Ring.

A.M. XIAO
Measurement of the Beam Response Matrix of HERA-e.

Interne Berichte

Contributions to the 7th Europ. Part. Accel. Conf. (EPAC 2000), Vienna/A (2000)
DESY M 00-04

F. BRINKER, A. FEBEL, G. HEMMIE, N. LIU, H. NESEMANN, M. SCHMITZ, K. TESCH, S. WIPF
Feasibility Study of an Electron Storage Ring for Coronary Angiography.
DESY M 00-01

F. OBIER
TTF Feedback-Kicker.
DESY M 00-02

J. RÜMMLER
A Kicker System for the TESLA Transverse Feedback.
DESY M 00-03

TESLA Berichte

Transparencies from the TESLA Meeting at ANL, Argonne/USA (1999).
DESY-TESLA 2000-02

Transparencies from the TESLA Input Coupler Workshop at LAL, Orsay/F (2000).
DESY-TESLA 2000-06

- P. AVRAKHOV
Estimation of Relative Field Unflatness and Effective Gradient in TESLA Superstructures.
DESY-TESLA 2000-19
- N. BABOI, R. BRINKMANN
Higher Order Mode Effects and Multi-Bunch Orbit Stability in the TESLA Main Linac.
DESY-TESLA 2000-28
- A. BATALOV, K. WITTENBURG
Beam Loss Monitors for TESLA.
DESY-TESLA 2000-31
- A. BLEDNYKH et al.
HOM Damping in a TESLA Cavity Model Using a Rectangular Waveguide.
DESY-TESLA 2000-34
- E. BONDARCHUK, N. DOINIKOV, V. MURATOV, V. PEREGUD, A. POPOV
A Technical Proposal for the Development and Manufacturing of Electromagnets for the TESLA BDS.
DESY-TESLA 2000-23
- R. BRINKMANN, M. DOHLUS, D. TRINES, A. NOVOKHATSKI, M. TIMM, T. WEILAND, P. HÜLSMANN, C.T. RIECK, K. SCHARNBERG, P. SCHMÜSER,
Terahertz Wakefields in the Superconducting Cavities of the TESLA-FEL Linac.
DESY-TESLA 2000-07
- R. BRINKMANN, E. MERKER, O. NAPOLY, N. WALKER, I. YAZYININ
Design of Beam Extraction Line for TESLA.
DESY-TESLA 2000-21
- W. DECKING, G.H. HOFFSTAETTER, T. LIMBERG
Bunch Compressor for the TESLA Linear Collider.
DESY-TESLA 2000-40
- M. DOHLUS, A. JÖSTINGMEIER, C. CRAMER
Photon Diffusion Model for TTF-2.
DESY-TESLA 2000-11
- M. DOHLUS, H.P. WEDEKIND, D. ZAPFE
Wakefield Induced Losses in the Manual Valves of the TESLA Cryomodule.
DESY-TESLA 2000-39
- K. FLÖTTMANN, V.V. PARAMONOV (eds.)
Conceptual Design of a Positron Injector for the TESLA Linear Collider.
DESY-TESLA 2000-12
- H. HENSCHER, O. KÖHN, M. KÖRFER, T. STEGMANN, F. WULF
Preliminary Trials with Optical Fiber Dosimeters at TTF.
DESY-TESLA 2000-25
- H. HENSCHER, M. KÖRFER, K. WITTENBURG, F. WULF
Fiber Optic Radiation Sensing Systems for TESLA.
DESY-TESLA 2000-26
- S. HILLERT
Ein Silizium-Pixeldetektor für den Strahllage-monitor BTM am FEL der TESLA Testanlage.
DESY-TESLA 2000-04
- K. HONKAVAARA, P. PIOT, S. SCHREIBER, D. SERTORE
Bunch Length Measurements at TTF with a Streak Camera.
DESY-TESLA 2000-38
- E. JANATA, M. KÖRFER
Radiation Detection by Cerenkov Emission in Optical Fibers at TTF.
DESY-TESLA 2000-27
- A. JÖSTINGMEIER, M. DOHLUS, M. WENDT, C. CRAMER
Theoretical and Practical Investigations Concerning the Design of a HOM Broadband Absorber for TESLA.
DESY-TESLA 2000-10
- C. MAGNE, M. WENDT
Beam Position Monitors for the TESLA Accelerator Complex.
DESY-TESLA 2000-41
- C. MONTAG
Simulation of the Fast Beam-Ion Instability in the TESLA Electron Damping Ring.
DESY-TESLA 2000-16
- Simulation of the Fast Beam-Ion Instability in the TESLA FEL Transfer Line.
DESY-TESLA 2000-17
- A. NOVOKHATSKI, M. TIMM, T. WEILAND
Transition Dynamics of the Wake Fields of Ultra Short Bunches.
DESY-TESLA 2000-03
- J. PAYET, O. NAPOLY
A Proposal for the TESLA High Energy Beam Switchyard.
DESY-TESLA 2000-24
- G. POPLAU, U. VAN RIENEN
Fast Multigrid Algorithms for the Tracking of Electron Beams.
DESY-TESLA 2000-30
- D. PROCH
Transparencies from the Workshop on Thin Film Coating Methods for SC Accelerating Cavities.
DESY-TESLA 2000-15
- S. ROTH, S. SCHAEEL, G. SCHMIDT
A Test of the Laser Alignment System ALMY at the TTF-FEL.
DESY-TESLA 2000-09
- K. ROTHEMUND, H.W. GLOCK, U. VAN RIENEN
Calculation of Wake Fields in the Bellows of TTF Bunch Compressor.
DESY-TESLA 2000-32
- K. ROTHEMUND, H.W. GLOCK, M. BORECKY, U. VAN RIENEN
Eigenmode Calculation in Long and Complex RF Structures Using the Coupled S-Parameter Calculation Technique.
DESY-TESLA 2000-33

- T. SCHOLZ
Some Error Estimations for Beam Position Monitors.
DESY-TESLA 2000-01
- R. SCHUHMANN, T. WEILAND
Rigorous Analysis of Trapped Modes in Accelerating Cavities.
DESY-TESLA 2000-08
- M. TISCHER, J. PFLÜGER, W. DECKING
A Compact Damping Wiggler Based on Permanent Magnet Technology for the TESLA Damping Rings.
DESY-TESLA 2000-20
- N. WALKER
Linear Tuning and Estimates for the Initial Beam Based Alignment Requirements for the TESLA BDS.
DESY-TESLA 2000-29
- N. WALKER, A. WOLSKI
Luminosity Stability Issues for the TESLA Beam Delivery System (BDS).
DESY-TESLA 2000-22
- K. WITTENBURG
Conventional Wire Scanners for TESLA.
DESY-TESLA 2000-18
- A. WOLSKI
Compensation of Solenoid Effects at the TESLA Interaction Point.
DESY-TESLA 2000-13
- K. ZAPFE (for the TESLA Collaboration)
The Vacuum System for the Superconducting Linac of the TESLA Test Facility.
DESY-TESLA 2000-05
- TESLA FEL Berichte**
- Contributions to the FEL2000 Conf., Durham/USA (2000).
DESY-TESLA-FEL 2000-05
- Proc. of the Workshop on Methods and Instrumentation for an X-FEL, Hamburg/D (2000).
DESY-TESLA-FEL 2000-06
- Proc. of the Workshop on Surfaces and Interface Physics with the FEL Facility, Hamburg/D (2000).
DESY-TESLA-FEL 2000-17
- Proc. of the Workshop on Chemical Applications of the FEL Facility, Hamburg/D (2000).
DESY-TESLA-FEL 2000-18
- Proc. of the Workshop on Nuclear Resonance Scattering at the Free Electron-Laser Facility, Hamburg/D (2000).
DESY-TESLA-FEL 2000-19
- Proc. of the Workshop on Non-Linear Optics, Quantum Optics and Ultrashort Phenomena, Hamburg/D (2000).
DESY-TESLA-FEL 2000-20
- Proc. of the Workshop on Hard Condensed Matter Physics, Hamburg/D (2000).
DESY-TESLA-FEL 2000-22
- Proc. of the Workshop on Atomic, Molecular and Cluster Physics with Short Wavelength Radiation from Free-Electron Lasers, Hamburg/D (2000).
DESY-TESLA-FEL 2000-23
- Proc. of the Workshop on Life Sciences at the Free-Electron Laser (X-FEL), Hamburg/D (2000).
DESY-TESLA-FEL 2000-24
- J. BAHRDT, U. ENGLISCH, W. FRENTRUP, A. GAUPP, M. SCHEER
Conceptual Design of a Helical Undulator for a TESLA SASE FEL.
DESY-TESLA-FEL 2000-11
- M. DOHLUS, M.I. IVANYAN, V.M. TSAKANOV
The Roughness Study for TESLA-FEL.
DESY-TESLA-FEL 2000-26
- P. ELLEAUME, J. CHAVANNE, B. FAATZ
Design Considerations for a 1 Ångström SASE Undulator.
DESY-TESLA-FEL 2000-16
- B. FAATZ
Influence of Different Focusing Solutions for the TESLA X-Ray FELs on Debunching of the Electron Beams.
DESY-TESLA-FEL 2000-15
- K. FLÖTTMANN, V.V. PARAMONOV (Eds.)
Study of a Beam Transport and Distribution System for the TESLA X-Ray Facility.
DESY-TESLA-FEL 2000-21
- P. ILINSKI, M. TISCHER
Optical Diagnostics for the X-Ray FELs at TESLA.
DESY-TESLA-FEL 2000-13
- M.I. IVANYAN, V.M. TSAKANOV
Summary of the Resistive Wake-Field Effects in TESLA-FEL Transfer Line.
DESY-TESLA-FEL 2000-25
- T. KAMPS
Monitoring the Electron Beam Position at the TESLA Test Facility Free Electron Laser.
DESY-TESLA-FEL 2000-01
- P. PIOT, K. FLÖTTMANN, S. SCHREIBER, D. SERTORE, A. CIANCHI, L. CATANI
Transverse Phase Space Studies in TTF Photoinjector During Run 00/01. A Comparison between Simulation and Experiment.
DESY-TESLA-FEL 2000-04

M. RÜTER, J. PFLÜGER
Conceptual Design of the Gap Separation Drives for the Undulators for the TESLA X-FEL.
DESY-TESLA-FEL 2000-07

E.L. SALDIN, E.A. SCHNEIDMILLER, M.V. YURKOV
Diffraction Effects in the SASE FEL Numerical Simulation and Theory.
DESY-TESLA-FEL 2000-02

Strahlenschutz

Interne Berichte

H. DINTER
Ergebnisse von Strahlenschutzmessungen am DESY im Jahre 1999.
DESY D3-96

Änderungen der Zugangsmöglichkeiten zum Strahlführungs kanal zwischen DESY und DORIS.
DESY D3-107

Beurteilung der Bereiche der EXPO-Ausstellung in der Nähe des PETRA-Tunnels hinsichtlich der Sicherheit gegenüber ionisierender Strahlung.
DESY D3-110

Abschirmung des Tunnels für die Strahlführung zum XFEL-Labor und des Strahlabsorbers.
DESY D3-112

H. DINTER, A. LEUSCHNER
Betrieb des XFEL-Labors während der Zeit der Baumaßnahmen für die 2. TESLA-Experimentierhalle.
DESY D3-106

H. DINTER, A. LEUSCHNER, K. TESCH, D. DWORAK, J. LOSKIEWICZ
Calculation of Hadron Yields around Thick Targets and Doses behind Concrete Shielding of High Energy Electron Accelerators.
DESY D3-95

K. KLIMEK, A. LEUSCHNER
Prototyp der neuen Strahlenüberwachungsanlage.
DESY D3-108

A. LEUSCHNER, S. SIMROCK
Radiation Field inside the Tunnel of the Linear Collider TESLA.
DESY D3-113

B. RACKY
Information zum Tritiumnachweis in Wasser.
DESY D3-105

F. STEPHAN, K. TRÜTZSCHLER, A. LEUSCHNER
Sicherheitsbericht zum Antrag auf Errichtungsgenehmigung eines Hochfrequenz-Photoinjector-Teststandes bei DESY Zeuthen.
DESY D3-111

K. TESCH, H. DINTER,
Abschätzung von Dosen durch e- γ -Streustrahlung im Winkelbereich 1° bis 10°.
DESY D3-109

Z-Bereich

Veröffentlichter Vortrag

C.G. WALDMAN, P. FUHRMANN, M. GASTHUBER
A Distributed Rate-Adapting Buffer Cache for Mass Storage Systems.
Proc. CHEP 2000, Padua/I (2000)

Vorträge

R. BALTRUSCH
Experience with Windows 2000 Remote Installation Services at DESY.
HEPIX/NT, Jefferson Lab. Newport News/USA (2000)

C. CARO
Mailmigration at DESY.
Windows 2000 Coordination Group.
HEPIX/NT, Braunschweig/D (2000)

Results from the First Meeting of the Windows 2000 Coordination Group.
HTASC, CERN Geneva/CH (2000)

System Management in a Windows Based Control Environment.
3rd Int. Workshop on Personal Computer and Part. Accel. Controls (PCaPAC 2000), Hamburg/D (2000)

Windows 2000 Coordination Group.
Windows 2000 Deployment Plans @ DESY.
Application Support with MSI.
HEPIX/NT, Jefferson Lab. Newport News/USA (2000)

J. DICKE
Angewandte Schweißverfahren und Fügetechniken für spezielle Anforderungen beim Deutschen Elektronen-Synchrotron DESY.
SLV Nord, Handelskammer Hamburg/D (2000)

Orbital-, Rundnahtschweißsysteme: Problemlösungen für TESLA mit den Verfahren: WIG, Laser, EB für Innen- und Außenschweißungen.
HGF-Ausschuss Technische Dienste, GKSS Geesthacht/D (2000)

M. ERNST
The DiskCache Project at DESY.
Workshop on Data Management Strategies, Fermilab Batavia/USA (2000)

Update on Computing at DESY.
FOCUS Meeting, CERN Geneva/CH (2000)

H. MÜNCH
Collaborative Engineering and CAD DESY Experiences.
HEP CCC, CERN Geneva/CH (2000)

R. PAMPERIN
Gegenüberstellung organisatorischer Konzepte für die Technischen Dienste DESY: Konzept eines Beraters / eigenes Konzept.
HGF-Ausschuss Technische Dienste, GKSS Geesthacht/D (2000)