

# Veröffentlichungen und Vorträge



## DESY-Kolloquien

### DESY Heinrich-Hertz Lecture on Physics

M. TURNER (NSF, Arlington/USA)  
Cosmology and Particle Physics.  
29.09.2004

### Festkolloquium für J. Jaegerlehner

A. WAGNER (DESY/D)  
Precision – the Crystal Ball of Particle Physics.  
2004

### DESY Forum on Lattice Gauge Theory and Structure Function Results

A. COOPER-SARKAR (Oxford/UK)  
Using Deep Inelastic Scattering Data to Measure Parton Distributions 1984-2004.

A. SHINDLER (DESY/D)  
Results on Parton Distributions Functions from LGT.  
30.11.2004

## Dienstags-Seminar

G. ALTARELLI (CERN/CH)  
An Improved Splitting Function for Small-x Evolution.  
29.1.2004

A. DE RUJULA (CERN/CH)  
Towards a Complete Theory of Gamma Ray Bursts.  
3.2.2004

M. KRASILNIKOV (DESY/D)  
Optimizing the PITZ Electron Source for FELs.  
17.2.2004

S. FRIXIONE (INFN Genova/I)  
The Inclusion of NLO Matrix Elements into Monte Carlos.  
2.3.2004

M. ALBROW (Fermilab/USA)  
GTeV: A Possible Experiment on Gluon Physics and Non-Perturbative QCD.  
9.3.2004

J. SCHIECK (MPI München/D)  
JADE Analysis in the New Millenium.  
16.3.2004

J. VERMASEREN (NIKHEF, Amsterdam/NL)  
Deep Inelastic QCD at Three Loops.  
23.3.2004

M. DITTMAR (ETH Zürich/CH)  
Measuring and Calculating Precision Cross Sections at the LHC: Prospects for Precision Measurements.  
6.4.2004

J. THOMAS (UCL London/UK)  
Progress and First Atmospheric Neutrino Results from MINOS.  
20.4.2004

R. GENZEL (MPE Garching/D)  
Massive Black Holes and Galaxies.  
27.4.2004

C. STEGMANN (HU Berlin/D)  
The H.E.S.S. Experiment – Performance and First Results.  
11.5.2004

W.S. HOU (Taiwan)  
Implications of  $B \rightarrow \phi K_s$  Anomaly for Super B Factory and Colliders.  
18.5.2004

N. SAITO (Kyoto/J)  
The RHIC Polarized Proton Program.  
25.5.2004

A. ZEHNDER (PSI Zürich/CH)  
Space-Born Gamma-Ray Astronomy.  
1.6.2004

L. TRENTADUE (CERN/CH)  
The Running of QED-Alpha.  
8.6.2004

F. KARSCH (Bielefeld/D)  
Lattice Gauge Theory and Heavy Ion Collisions.  
29.6.2004

A. DENIG (Karlsruhe/D)  
Recent Results from KLOE at the  $e^+e^-$  Collider DAPHNE.  
6.7.2004

O. BUCHMÜLLER (CERN/CH)  
New Results on  $V_{ub}$  and  $V_{cb}$  from Babar.  
21.9.2004

K. EGGERT (CERN/CH)  
The TOTEM Experiment at the LHC: Total Cross-Section, Elastic Scattering and Diffraction.  
5.10.2004

S. BLUDMAN (U. Pennsylvania/USA/DESY)  
Cosmological Dark Energy: What Can it be?  
26.10.2004

F. WILLEKE (DESY/D)  
HERA: Everything You Always Wanted to Know, But Never Dared to Ask.  
2.11.2004

D. MACFARLANE, J. SEEMAN (SLAC/USA)  
B Physics at a Super B Factory.  
9.11.2004

A. QUADT (Universität Bonn/D)  
Recent Results from the Tevatron.  
16.11.2004

S. ROCK (SLAC/USA)  
Parity violation in fixed-target Moller scattering and the Running of  $\sin^2(\theta_W)$ .  
23.11.2004

J. BLÜMLEIN (DESY/D)  
On the Way to QCD Precision Tests with Deep Inelastic Scattering.  
14.12.2004

U. KATZ (Universität Erlangen/D)  
Neutrino Telescope in the Mediterranean: ANTARES, KM3NeT and Acoustics  
21.12.2004

## Vorträge – Innerbetriebliche Fortbildung

S. SPIERING (Zeuthen/D)  
Auf der Suche nach kosmischen Neutrinos – vom Baikalsee zum Südpol.  
8.1.2004

J. ROLOFF (Wiesbaden/D)  
Demographischer Wandel, Ursachen und Auswirkungen – Von der Pyramide zur Urne.  
14.1.2004

B. SCHÖNEICH (Zeuthen/D)  
Spyware – ein neues Problem aus dem Internet.  
28.1.2004

J. SCHNEIDER (Hamburg/D)  
Forschung mit Photonen bei DESY.  
18.2.2004

S. ALWART (Hamburg/D)  
Kompetent und qualifiziert ein Leben lang – wie erreicht man das?  
10.3.2004

O. WEGGEL (Hamburg/D)  
Chinas Aufstieg zur Weltmacht.  
17.3.2004

J. BECKER (Jülich/D)  
Die Altersversorgung im öffentlichen Dienst.  
31.3.2004

K. SENGSTOCK & G. HUBER (Hamburg/D)  
Photonik und Quantenoptik – Forschung am Institut für Laser-Physik.  
28.4. 2004

H. LANGE (Hamburg/D)  
PISA und die Folgen – Schocktherapie oder längere Rekonvaleszenz?  
26.5.2004

M. KASEMANN (Hamburg/D)  
Projektmanagement: Konzepte und die Umsetzung bei DESY.  
9.6.2004

O. DEPPE (Hamburg/D)  
Laserlicht für die Arzneistoffsuche.  
14.7.2004

J. WEIZENBAUM (Berlin/D)  
Wo kommt Information her? Über die Messbarkeit von Informationen und die Rolle des Computers als so genannte Informationsverarbeitungsmaschine.  
21.7.2004

F. ZETSCHE (Langen/D)  
Single European Sky – mehr Freiheit am Himmel?  
27.10.2004

K. WAKILZADA & M.B. GAUDIOSO (Hamburg/D)  
Sprachen und Verständigung in Europa.  
17.11.2004

H. HILSCHER (Augsburg/D)  
Da staunt der Fachmann und der Laie ... – verblüffende physikalische Experimente zum Selbermachen.  
15.12.2004

## Öffentliche Abendvorträge

S. SPIERING (Zeuthen/D)  
Abenteuer und Forschung am Südpol.  
7.1.2004

K. BRAUN (Magdeburg/D)  
Wie Gefühle unser Gehirn verändern.  
4.2.2004

H. TRINKS (Hamburg/D)  
Das Spitzbergen-Experiment – Ein Forscher, eine Frau und die Theorie vom Ursprung des Lebens.  
7.4.2004

O. BRÜNNER (Helmstedt/D)  
Denk- und Handlungsstrategien auf der Grundlage neuro-linguistischer Methoden.  
5.5.2004

G. BRÄUER (Hamburg/D)  
Out of Africa – Zum Ursprung des modernen Menschen.  
2.6.2004

Studierende des Hamburger Konservatoriums (Hamburg/D)  
Ein Abend mit Chopin.  
15.6.2004

J.D. BARROW (Cambridge/GB)  
Is the World Simple or Complicated?  
7.7.2004

A. LINDNER (Hamburg/D)  
Von schwarzen Löchern und explodierenden Sternen: Astrophysik  
mit kosmischen Teilchen.  
20.10.2004

H. WENNINGER (Genf/CH)  
Elementarteilchen werden „sichtbar“ – Teilchenphysik mit Bla-  
senkammern.  
3.11.2004

U. CUBASCH (Berlin/D)  
Der Einfluss der Sonne auf das Klima der Erde.  
1.12.2004

## Vorträge – Direktorium

U. GENSCH  
Forschung bei DESY.  
Wissenschaftskreis Berlin, Berlin/D, April 2004

High Performance Computing at DESY.  
LATFOR Treffen, Zeuthen/D, 25.11.2004

Research at DESY.  
IOFG Meeting, Stockholm/S, Oktober 2004

R. KLANNER

Opening HERA-LHC Workshop.  
CERN, Genf/CH, 26.3.2004

Linear Colliders.  
Hellenic Society for High Energy Physics, Chios/GR, 3.4.2004

DESY's High Energy Physics Programme.  
7th DESY Workshop on Elementary Particle Theory: Loops and  
Legs in Quantum Field Theory, Zinnowitz/D, 28.4.2004

Linearkollider und die Zukunft der Teilchenphysik.  
Festvortrag des Alumin-Festes der Fachgruppe Physik/Astronomie,  
Bonn/D, 3.7.2004

DESY's Research Programme.  
Summer Meeting, Cool Stars, Stellar Systems and the Sun,  
Hamburg/D, 7.7.2004

Experimental Results from HERA, Four Seasons Conference,  
Istanbul/TR, 5.9.2004

C. SCHERF

Forschung im Wertewandel.  
Rotary-Club Hamburg, Hamburg/D, 26.4.2004

J. SCHNEIDER

Röntgenlaser bei DESY: Der schnelle Blick auf die Atome.  
Physikalisches Kolloquium der Universität Würzburg, Würz-  
burg/D, Januar 2004

Introduction to the Research Programme „Large Scale Facilities  
for Research with Photons, Neutrons and Ions“.

Hemholtz Evaluation of the PNI Programme in the Research Field  
„Structure of Matter“, Pre-Evaluation Neutrons, Bonn/D, Februar  
2004

Introduction to the Research Programme „Large Scale Facilities  
for Research with Photons, Neutrons and Ions“.

Hemholtz Evaluation of the PNI Programme in the Research Field  
„Structure of Matter“, Pre-Evaluation Photons, Bonn/D, März 2004

The PNI Programme Overview.  
Hemholtz Evaluation of the PNI Programme in the Research Field  
„Structure of Matter“, Geesthacht/D, April 2004

Freie-Elektronen Laser: Zeitenwende für die Forschung mit Rönt-  
genstrahlung.

Tag der Offenen Tür DESY Zeuthen, Zeuthen/D, Mai 2004

XFEL: From Scientific Fascination to Breakthroughs in Techno-  
logy.

Festveranstaltung „40 Jahre Synchrotronstrahlung bei DESY“,  
Hamburg/D, Mai 2004

Scientific Applications of the European XFEL Facility.  
Meeting of the UK working group on X-Ray laser applications,  
Rutherford Appleton Laboratory, Rutherford/GB, Juni 2004

Photon Science Activities at DESY.  
PETRA III Beamline Workshop, Hamburg/D, September 2004

Photon Sciences at DESY.  
EMBL Hamburg Outstation Review, Hamburg/D, September 2004

Der Europäische Röntgenlaser: Eine Lichtquelle, die alles in den  
Schatten stellt.

Parlamentarischer Abend, Hamburger Landesvertretung, Berlin/D,  
September 2004

The Future of Photon Sciences at DESY.  
Shanghai Institute for Applied Physics, Jiading, Shanghai/RC,  
October 2004

Zhejiang University, Department of Materials Science & Engi-  
neering, Hangzhou/RC, October 2004

Institute for High Energy Physics IHEP, Beijing/RC, October 2004

New X-Ray Sources for Probing the Nano-World on the Proper  
Length and Time Scales.

Beijing University, Institute of Heavy Ion Physics, Beijing/RC,  
October 2004

New X-Ray Sources for Probing the Nano-World on the Proper  
Length and Time Scales.

Max-Planck Institut für Physik, München/D, November 2004

Science at Future Accelerator Based Light Source Facilities: X-  
Ray FEL.

APAC 2004 Dr. Hogil Kim Memorial Session, Pohang/ROK, März  
2004

Future Synchrotron Radiation Sources.  
Nordic Research Training Course on the Application of X-Ray Synchrotron Radiation in Chemistry, Physics, Biology and Medicine, Sandbjerg/DK, Juni 2004

The Future of Photon Sciences at DESY.  
EMBL Conference on Structural Biology at Crossroads, Hamburg/D, September 2004

X-Ray Free-Electron Lasers for Probing the Nano-World on the Proper Length and Time Scales.  
Symposium on Cutting Edge Technologies for Fundamental Science, Life Science and Medical Applications, Wien/A, Dezember 2004

#### D. TRINES

DESY: Status and Future  
EPPS 2004, Hamburg/D, 21.9.2004

#### A. WAGNER

TESLA – a new Tool for Science.  
Jefferson Laboratory, Newport News/USA, 7.1.2004

The Future of  $e^+e^-$  Linear Colliders – A personal View.  
University of Chicago/USA, 8.1.2004

Collider Physics Conference 2004.  
KAVLI Institute for Theoretical Physics, Santa Barbara/USA, 12.1.2004

TESLA Status and the World Situation.  
UK LC Meeting, Oxford/GB, 29.1.2004

Vom Ursprung der Materie – Das TESLA-Projekt und die Zukunft der Teilchenphysik.  
Kolloquium der Ludwig-Maximilians-Universität München, München/D, 09.2.2004

Conference of the Nuclear Department of RAS,  
Kolloquiumsvortrag ITEP Moskau/RUS, 2004

Status and Future of DESY.  
DPG Mitgliederversammlung Mainz/D, 2004

Les géants de l'infiniment petit – Des outils pour la physique du futur.  
La Découverte, Paris/F, 2004

Materie, Raum, Zeit.  
Joachim Jungius-Gesellschaft der Wissenschaften, Hamburg/D, 2004

Science at DESY – an Overview.  
JINR Dubna, Scientific Council, Dubna/RUS, 2004

Colourful Experiments: Quantum Chromodynamics on the Test Bench.  
Gluon Fest bei DESY, Hamburg/D, 2004

The TeV Linear Collider and the European XFEL.  
Madrid/E, 2004

From Particle Physics to Cosmology.  
Rentcontres du Vietnam, Hanoi/VN 2004

Pushing the Frontier: Tools for the next Decade.  
ESOF, Stockholm/S, 2004

Materie, Raum, Zeit.  
Überseeclub Hamburg, Hamburg/D, 2004

Transatlantic Collaboration at DESY.  
PCAST Meeting, Washington/USA, 2004

The European XFEL and the ILC.  
Fermilab – Workshop on Management Practices for Establishing International Scientific Research Facilities, Chicago/USA, 2004

Netzwerke in der Wissenschaft.  
Workshop „Kultur der Innovation“ im Schloß Engers, 2004

Technology Choice – Impact on Europe.  
DPG Jahrestreffen Teilchenphysik, Bad Honnef, 2004

# Forschung Hochenergiephysik

## H1 Experiment

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### Veröffentlichungen

H1 KOLLABORATION, C. ADLOFF et al.

Search for Squark Production in R-Parity Violating Sypersymmetry at HERA.

Eur. Phys. J. C36 (2004) 425 und DESY 04-025, hep-ex/0403027

Measurement of Anti-Deuteron Production and a Search for Heavy Stable Charged Particles at HERA.

Eur. Phys. J. C36 (2004) 413 und DESY 04-032, hep-ex/0403056

Evidence for a Narrow Anti-Charmed Baryon State.

Phys. Lett. B588 (2004) 17 und DESY 04-038, hep-ex/0403017

Forward  $\pi^0$  Production and Associated Transverse Energy Flow in Deep-Inelastic Scattering at HERA.

Eur. Phys. J. C36 (2004) 441 und DESY 04-051, hep-ex/0404009

Measurement of the Proton Structure Function  $F_2$  at Low  $Q^2$  in QED Compton Scattering at HERA.

Phys. Lett. B598 (2004) 159 und DESY 04-083, hep-ex/0406029

Search for Bosonic Stop Decays in R-parity Violating Supersymmetry in  $e^+p$  collisions at HERA.

Phys. Lett. B599 (2004) 159 und DESY 04-084, hep-ex/0405070

Measurement of Prompt Photon Cross Sections in Photoproduction at HERA.

DESY 04-118, hep-ex/0407018, zur Veröffentl. in Eur. Phys. J.

A General Search for New Phenomena in ep Scattering at HERA.

Phys. Lett. B602 (2004) 14 und DESY 04-140, hep-ex/0408044

Inclusive Production of  $D^+$ ,  $D^0$ ,  $D_s^+$  and  $D^{*+}$  Mesons in Deep Inelastic Scattering at HERA.

DESY 04-156 und hep-ex/0408149, zur Veröffentl. in Eur. Phys. J

Measurement of  $F_2^{c\bar{c}}$  and  $F_2^{b\bar{b}}$  at High  $Q^2$  using the H1 Vertex Detector at HERA.

DESY 04-209 und hep-ex/0411046, zur Veröffentl. in Eur. Phys. J.

Search for Light Gravitinos in Events with Photons and Missing Transverse Momentum at HERA.

DESY 04-227, hep-ex/0501030, zur Veröffentl. in Phys. Lett. B

A Direct Search for Stable Magnetic Monopoles Produced in Positron-Proton Collisions at HERA.

DESY 04-240, hep-ex/0501039, zur Veröffentl. in Eur. Phys. J.

### Veröffentlichte Vorträge

Proc. of the 12th Int. Workshop on Deep Inelastic Scattering (DIS2004), Strbske Pleso/SL (2004)

B. ANDRIEU

Inclusive Jet Cross Section in Photoproduction at H1.

M. BECKINGHAM

Production of  $J/\psi$  Mesons at High  $t$  and the Study of  $\gamma p \rightarrow \gamma p$ .

G. BRANDT

Isolated  $\tau$  Events with Missing  $p_T$  at HERA.

C. DIACONU

Experimental Summary of Electroweak and BSM Physics.

L. FAVART

Deeply Virtual Compton Scattering.

L. GÖRLICH

Forward  $\pi^0$  Production in DIS.

T. GREENSHAW

New Results from H1.

O. HENSHAW

Neutral and Charged Currents at High  $Q^2$  in Polarised DIS at HERA-II.

X. JANSSEN

Status of the Very Forward Proton Spectrometer.

H. JUNG

Unintegrated Pdfs in CCFM.

Small  $x$  Effects in Heavy Quark Production.

M. KAPISHIN

$F_D^2$  Measurements at Low, Intermediate and High  $Q^2$ .

M. KLEIN

Future Hera FL Measurements.

A. KNUTSSON

Studies of Forward Jet Production in DIS.

E. LOBODZINSKA

New and Recent Measurements of  $F_2$  and  $F_L$  at Low  $Q^2$ .

N. MALDEN

Search for Superlight Gravitinos at HERA.

A. MEYER

Beauty Production at H1.

D. MILSTEAD

Experimental Summary of Hadronic Final States.

J. OLSSON

High  $|t|$  Photon Production and  $J/\psi$  Production at High  $|t|$ .

M. PEEZ

General Search for New Phenomena.

- A. PETRUKHIN  
Measurement of  $F_2$  at Low  $Q^2$  and Extension to the Lowest  $Q^2$  Using ISR Events.
- R. PÖSCHL  
Inclusive Dijet Production at Low Bjorken- $x$  in DIS.
- B. PORTHEAULT  
H1 QCD Analysis of Inclusive Cross-Section Data.
- E. RIZVI  
Experimental Summary of Inclusive Measurements.
- E. SAUVAN  
H1 Events with Several High  $p_T$  Leptons.
- S. SCHÄTZEL  
Comparison of Diffractive Final States with LO and NLO QCD Predictions.
- F. SCHILLING  
Experimental Summary of Diffraction.
- S. SCHMIDT  
Anti-Charmed Baryon Production in ep Collisions.
- K. SEDLAK  
Measurement of Dijet Production at Low  $Q^2$  at HERA.
- T. SLOAN  
The Photoproduction of Anti-Deuterons at HERA.
- D. SOUTH  
H1 Events with High  $p_T$  Leptons and Missing  $p_T$  and Anomalous Top Production at HERA.
- P. THOMPSON  
Charm and Beauty Measurements at High  $Q^2$  Using the H1 Vertex Detector.
- A. VEST  
Searches for Squarks with H1 at HERA.
- W. YAN  
Event Shapes in DIS.
- Proc. of the 32nd Int. Conf. on High Energy Physics (ICHEP2004), Beijing/RC (2004)**
- J. BRACINIK  
Photoproduction of Jets at HERA.
- J. GAYLER  
Pentaquark Searches with the H1 Experiment.
- X. JANSSEN  
Diffraction at High  $|t|$  at HERA.
- M. KAPISHIN  
Inclusive Measurements of Diffraction at HERA.
- M. KLEIN  
QCD at High Energy.
- T. KLUGE  
Prompt Photon Production at HERA.
- V. LENDERMANN  
Inclusive Cross Sections and Structure Functions at Low  $Q^2$  at HERA.
- S. LEVONIAN  
Inclusive Photoproduction of Mesons and Anti-Deuteron.
- A. MEYER  
Beauty Production at HERA.
- C. NIEBUHR  
Lepton Flavour Violation and Contact Interactions.
- E. SAUVAN  
High  $p_T$  (Multi) Lepton Production at HERA.
- S. SCHMITT  
High  $Q^2$  Charged and Neutral Current Cross Sections at HERA-I and HERA-II.
- A. SCHÖNING  
Isolated Leptons, Top and Generic Searches for New Physics.
- T. ANTHONIS  
The H1 Forward Proton Tagger; Physics Prospects.  
Proc. of the 34th Int. Symposium on Multiparticle Dynamics (ISMD2004), Sonoma County/USA
- A. BUNYATYAN  
Diffraction in High Energy ep Collisions.  
Proc. of Hadron Structure (HS2004), Smolenice Castle/SL (2004)
- G. BUSCHHORN  
Pentaquarks, Charm and Beauty from H1 and ZEUS.  
Proc. of Hadron Structure and QCD (HSQCD2004), Repino, St. Petersburg/RUS (2004)
- A. CAMPBELL  
The High Level Filter of the H1 Experiment at HERA.  
Proc. of the Computing Conf. (CHEP2004), Interlaken/CH (2004)
- S. CARON  
Electroweak Measurements and Searches for New Physics at HERA.  
Proc. of the 5th Rencontre du Vietnam on Particle Physics and Astrophysics: New Views on the Universe (Vietnam2004), Hanoi/VN (2004)
- V. CHEKELIAN  
Experimental Review of Unpolarised Structure Functions.  
Proc. of the 10th Int. Conf. on Structure of Baryons (Baryons2004), Palaiseau/F (2004)
- B. COX  
Diffraction at HERA, the TeVatron and the LHC.  
Proc. of the 15th Topical Conf. on Hadron Collider Physics (HCP2004), Michigan/USA (2004)



J. CVACH

Evidence for a Charmed Pentaquark State at H1.  
Proc. of Advanced Studies Institute: Symmetries and Spin (Spin2004), Prague/CZ (2004)

K. DAUM

Spectroscopy in High Energy ep Collisions.  
Proc. of the 6th Int. Conf. on Hyperons, Charm and Beauty Hadrons (BeaCh2004), Chicago/USA (2004)

E. ELSEN

Status and Prospects for Low  $x$  Physics at HERA.  
Proc. of the 34th Int. Symposium on Multiparticle Dynamics (ISMD2004), Sonoma County/USA (2004)

L. FAVART

Experimental Review of Diffractive Phenomena.  
Proc. of the 10th Int. Conf. on Structure of Baryons (Baryons2004), Palaiseau/F (2004)

G. GRINDHAMMER

Structure Function Measurements at HERA and the Extraction of  $\alpha_s$  and the Parton Distributions.  
Proc. of the 18th Rencontre de Physique (LaThuile2004), La Thuile, Aoste Valley/I (2004)

J. HALLER

Searches for New Physics in ep Collisions at H1 and ZEUS.  
Proc. of the 12th Conf. on Supersymmetry and Unification of Fundamental Interactions (SUSY2004), Tsukuba/J (2004)

K.-H. HILLER

High  $|t|$  Diffraction and DVCS from H1.  
Proc. of the Int. Workshop on Diffraction in High Energy Physics (Diff2004), Cala Gonone/I (2004)

H. JUNG

HERA Physics.  
Proc. of 2004 LHC Days in Split (LHCinSplit2004), Split/HR (2004)

J. KATZY

H100 – an Analysis Framework for H1.  
Proc. of the Computing Conf. (CHEP04), Interlaken/CH (2004)

C. KIESLING

The Partonic Interpretation of Diffraction at HERA.  
Proc. of the 34th Int. Symposium on Multiparticle Dynamics (ISMD2004), Sonoma County/USA (2004)

P. LAYCOCK

Diffraction in High Energy ep Collisions.  
Proc. of the 11th Int. Conf. on QCD (QCD04), Montpellier/F (2004)

S. LEVONIAN

Recent Results from H1.  
Proc. of the 18th Int. Workshop on High Energy Physics and Quantum Field Theory (QFTHEP04), St. Petersburg/RUS (2004)

L. LINDFELD

Physics with Tau Leptons at HERA.  
Proc. of the Workshop on Tau Lepton Physics (Tau2004), Nara/J (2004)

K. LIPKA

Charm Production in ep Collisions at HERA.  
Proc. of the 39th Rencontre de Moriond on QCD and High Energy Hadronic Interactions (MoriondQCD2004), La Thuile, Aosta Valley/I (2004)

Heavy Flavours at HERA.

Proc. of the 11th Int. Conf. on QCD (QCD04), Montpellier/F (2004)

N. MALDEN

Neutral and Charged Current Cross Section Measurements and Searches for New Physics at HERA.  
Proc. of the Int. Conf. on the Structure and Interactions of the Photon (HepMad2004), Antananarivo/RM (2004)

A. MEHTA

Structure Function and Polarised Cross Section Measurements from the H1 and ZEUS Experiments.  
Proc. of the 24th Int. Conf. on Physics in Collision (PIC2004), Boston/USA (2004)

B. OLIVIER

Searches for New Physics in ep Collisions at HERA.  
Proc. of the 39th Rencontre de Moriond on Electroweak Interactions and Unified Theories (MoriondEW2004), La Thuile, Aosta Valley/I (2004)

D. OZEROV

Spectroscopy in ep Collisions at HERA.  
Proc. of the 10th Int. Conf. on Structure of Baryons (Baryons2004), Palaiseau/F (2004)

E. PEREZ

Searches for New Particles.  
Proc. of the 5th Rencontre du Vietnam on Particle Physics and Astrophysics: New Views on the Universe (Vietnam2004), Hanoi/VN (2004)

D. PITZL

HERA Structure Function Measurements and the Extraction of the Parton Distributions and  $\alpha_s$ .  
Proc. of the 39th Rencontre de Moriond on QCD and High Energy Hadronic Interactions (MoriondQCD2004), La Thuile, Aosta Valley/I (2004)

R. PÖSCHL

Jet Production at HERA and the Measurement of  $\alpha_s$ .  
Proc. of the Winter Inst. 2004 on Fundamental Interactions (LakeLouise2004), Lake Louise/CDN (2004)

E. RIZVI

Structure Function Measurements at H1 and ZEUS and the Extraction of  $\alpha_s$  and the Parton Distributions.  
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A. ROSTOVTSEV

DIS Structure Functions at HERA.  
Proc. of Hadron Structure and QCD (HSQCD2004), Repino, St. Petersburg/RUS (2004)

S. SCHÄTZEL

Measurements of the Diffractive Cross Section and their QCD Interpretation.

Proc. of the Int. Workshop on Diffraction in High Energy Physics 2004 (Diff2004), Cala Gonone/I (2004)

L. SCHOEFFEL

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Blick in südliche Richtung auf das DESY-Gelände und die Elbe. In der Bildmitte befindet sich die TESLA-Test-Anlage. Der VUV-FEL-Tunnel verbindet die TESLA-Test-Anlage mit der zukünftigen Experimentierhalle (im Vordergrund), die für die DESY EXPO2000-Ausstellung „Licht der Zukunft“ genutzt wurde.

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