

# Veröffentlichungen und Vorträge

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## Vorträge

### DESY-Kolloquien

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#### Physikalisches Kolloquium

A. GEIM (Manchester University)  
Graphene: Magic of Flat Carbon.  
16.04.2009

#### Physikalisches Kolloquium

M. KATSNELSON (Radboud University of Nijmegen)  
Graphene: New bridge between condensed matter physics and QED.  
11.06.2009

#### Physikalisches Kolloquium

A. ISKE (Univ. Hamburg)  
Adaptive Partikelmethode zur numerischen Lösung von hyperbolischen Erhaltungsgleichungen.  
18.06.2009

#### Heinrich Hertz Lectures at DESY

J. SILK (University of Oxford)  
Dark Matters.  
07.07.2009

#### Festkolloquium

R. BRINKMANN  
Lord of the rings – Kolloquium zu Ehren von Gustav-Adolf Voss.  
04.09.2009

#### Jentschke Lecture

G. HASINGER (Max-Planck-Institut für Plasmaphysik Garching)  
Black Holes and the Fate of the Universe.  
11.11.2009

### DESY-Seminare

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F. JEGERLEHNER  
Broken Symmetries? Nobel Prize in Physics 2008.  
06./07.01.2009

H. ITA (UCLA)  
Multi-leg one-loop amplitudes in QCD.  
08.01.2009

U. WOLFF (HUB)  
Simulate the strong coupling expansion!  
12.01.2009

K. JANSEN  
Die theoretische Physik am DESY in Zeuthen.  
13.01.2009

T. SCHÖRNER-SADENIUS  
The Analysis Centre of the Helmholtz Alliance 'Physics at the Terascale'.  
13./14.01.2009

J. ERLER (UNAM Mexico)  
Tests of the Weak Interaction.  
15.01.2009

T. WENGLER (Manchester)  
Status of the ATLAS Experiment.  
20.01.2009

E. PEIK (PTB Braunschweig)  
Search for New Physics with Atomic Clocks.  
21.01.2009

C. VALLÉE (CPPM, Marseille)  
Building up the HERA legacy: Impact on LHC.  
27.01.2009

M. OHLERICH  
Beam Conditioning Monitor at CMS.  
27.01.2009

P. RICHTER (Univ. Potsdam)  
Galaxies in the Cosmic Web.  
28.01.2009

H. DREINER (Univ. Bonn)  
Searching for Supersymmetry at the LHC: the case for R-Parity Violation.  
29.01.2009

P. PALOMBI (CERN)  
Fluctuations and reweighting of the quark determinant on large lattices.  
02.02.2009

A. REINERS (Göttingen)  
Hunting extrasolar planets 400 years after Galileo.  
03.02.2009

H. DOSCH (Max-Planck-Institut für Metallforschung, Stuttgart)  
Grand Challenges for Megafacilities.  
03.02.2009

W. HOFFMANN (MPI für Kernphysik, Heidelberg)  
The Galaxy in a new light: High energy gamma ray astronomy with H.E.S.S.  
10./11.02.2009

M. WOHLFARTH (Univ. Hamburg)  
Refined spacetime geometry.  
12.02.2009

B. SPAAN (TU Dortmund)  
Status of the LHCb experiment.  
17./18.02.2009

M. MESSINA (LHEP, Bern)  
Phenomenology of the relic neutrino interaction with unstable nuclei and experimental challenges towards their detection.  
24.02.2009

- R. ZINKE  
Working safety instruction.  
24.02.2009
- P. PICOZZA (Università di Roma Tor Vergata)  
Detection of antiparticles with the PAMELA space instrument for antimatter and dark matter research.  
25.02.2009
- G. HEINRICH (University of Durham)  
Towards precision physics at TeV colliders.  
26.02.2009
- P. RÜGER  
Windows am DESY Zeuthen | Stand und Perspektive.  
03.03.2009
- J. THOMAS (University College London)  
Next Steps in Neutrino Physics.  
04.03.2009
- Z. FODOR (Wuppertal, Budapest)  
Ab Initio Determination of Light Hadron Masses.  
10.03.2009
- J. SEKARIC (Florida State University)  
WW and WZ Diboson Production at the Tevatron.  
24./25.03.2009
- G. COWAN (RHUL, London)  
Systematic uncertainties in statistical data analysis.  
31.03.2009
- G. CANTATORE (INFN Triest)  
Photon probes of the Low Energy Frontier.  
07.04.2009
- N. NEMITZ (PTB Braunschweig)  
Die Physikalisch-Technische-Bundesanstalt (PTB) Braunschweig und ihre Uhren.  
07.04.2009
- C. QUIGG (Fermilab and Universität Karlsruhe)  
Gedanken Worlds without Higgs.  
08.04.2009
- C. GREUB (Univ. Bern)  
Inclusive Rare B-decays at NNLO.  
09.04.2009
- P. SPHICAS (CERN)  
The upcoming dawn of CMS and the LHC.  
14.04.2009
- P. SPHICAS (CERN)  
CMS Physics.  
15.04.2009
- L. FADEEV (Russian Academy of Sciences)  
An alternative interpretation of Weinberg Salam model.  
16.04.2009
- L. THIEMEIER  
IT-Ausbildung in Afghanistan – 8 Monate als Lehrer in Herat.  
21.04.2009
- M. SIMON (Siegen)  
The PAMELA Mission: A Space Experiment to measure energetic Matter and Antimatter from Space.  
21.04.2009
- T. REITER (NIKHEF)  
Automated One-Loop Calculations with Golem.  
23.04.2009
- A. SHAPOVALOV  
EMSY (Emittance Measurements) at PITZ – a short introduction how it works; for what it is needed.  
28.04.2009
- P. SÖDING  
The Decade of 1969-1979: How Quarks and Gluons Became Real.  
28./29.04.2009
- F. STEPHAN  
Der Europäische XFEL, sein Vorläufer FLASH und eine der Schlüsselkomponenten (PITZ) – Stand und Perspektiven.  
05.05.2009
- Z. FODOR (Bergische Universität Wuppertal)  
Hadron Spectrum from Lattice QCD.  
06.05.2009
- F. FARCHIONI (Univ. Münster)  
Lattice simulation of gauge theories with one fermion species: N=1 super Yang-Mills and one flavor QCD.  
07.05.2009
- E. LOHRMANN  
Von der Vision zur Wirklichkeit – DESYs erste Beschleuniger.  
12.05.2009
- M. KLEIN (LIVERPOOL), A. HILLENBRAND  
Highlights of HERA: HERA and what we have learnt about proton structure Highlights from HERMES .  
12.05.2009
- N. TANTALO (INFN-Rome2 & E. Fermi Institute)  
Semileptonic decays of B mesons into D\* mesons.  
18.05.2009
- S. WEINZIERL (Univ. Mainz)  
Event shapes und jet rates in electron-positron annihilation.  
19.05.2009
- D. STÖCKINGER (TU Dresden)  
The Muon Magnetic Moment – Evidence for Supersymmetry?  
20.05.2009
- M. POHL (Iowa State University)  
Cosmic-Ray Electrons, Pulsars, and Dark Matter.  
26.05.2009
- W. GRADL (Univ. Mainz)  
Latest results from the B-factories.  
26.05./03.06.2009
- B. DI GIROLAMO (CERN)  
Readiness of the ATLAS Pixel detector for the LHC collisions.  
02.06.2009
- Z. NAGY  
QCD vs. Monte Carlo Event Generators.  
02.06.2009
- T. MENDES (University of Sao Paulo)  
A Closer Look at the Generalised Eigenvalue Problem in Lattice QCD.  
08.06.2009
- C. CECCHI (Università di Perugia & INFN)  
The Fermi/LAT Mission: First Scientific Results .  
09./10.06.2009

- M. NEUBERT (Univ. Mainz)  
IR singularities of gauge-theory amplitudes.  
11.06.2009
- D. HIRSCHBÜHL (Univ. Wuppertal)  
Observation of Single Top Production at the Tevatron.  
16.06.2009
- R. SCHWIENHORST (Michigan State University)  
Observation of Single Top Quark Production at the Tevatron.  
17.06.2009
- B. MUSCH (TU München)  
Transverse Momentum Distributions of Quarks in the Nucleon.  
22.06.2009
- I. KUNDOCH  
Die mechanische Werkstatt und ihre neuen Maschinen –  
ein populärer Rundgang für interessierte Institutsmitarbeiter.  
23.06.2009
- P. COYLE (Centre de Physique des Particules de Marseille)  
The ANTARES Deep-Sea Neutrino Telescope.  
23./24.06.2009
- A. RINGWALD  
Shedding Light on the Hidden Sector – Particle Physics with Low  
Energy Photons.  
25.06.2009
- F. ZIMMERMANN (CERN)  
CERN Accelerator Projects and Future Plans.  
30.06.2009
- T. MENDES (University of Sao Paulo)  
Infrared propagators and confinement in Yang-Mills theories.  
02.07.2009
- A. KOTWAL (Duke University)  
Measurements of the W Boson Mass.  
14./15.07.2009
- M. LASSNIG (CERN)  
Distributed data management in the grid.  
14.07.2009
- K. MÖNIG  
Status of the electroweak Standard Model.  
08.09.2009
- G. RICCOBENE (INFN LNS Catania)  
Status of the NEMO Project, towards KM3NeT.  
15./16.09.2009
- M. CACCIARI (LPTHE, Paris)  
Recent developments in jet clustering.  
22.09.2009
- V. LÜTH (SLAC)  
Wolfgang K. H. Panofsky – Physics, Science Policy,  
and Arms Control.  
06.10.2009
- W. FRIEBEL  
Neue E-Mail am DESY in Zeuthen.  
06.10.2009
- R. SUNDRUM (Johns Hopkins University)  
Warped Dimensions and the LHC.  
13./14.10.2009
- P. PALAZZI (CERN)  
The Early Days of the WWW at CERN, a personal recollection.  
20./21.10.2009
- P. WEISZ (MPI München)  
Logarithmic corrections to  $O(a_2)$  lattice artifacts.  
26.10.2009
- D. MESTERHAZY (Humboldt Universität)  
Turbulence on the lattice.  
02.11.2009
- D. DJUKANOVIC (Universität Mainz)  
Das Wilson HPC Cluster am Institut für Kernphysik, Univ. Mainz.  
03.11.2009
- K. OZEREN (Univ. Wuppertal)  
NNLO Higgs production via gluon fusion with finite top mass.  
05.11.2009
- A. PENIN (University of Alberta, Edmonton)  
Josephson and Quantum Hall Effects vs Quantum  
Electrodynamics.  
11.11.2009
- G. WEIGLEIN  
Physics at the Terascale: on the verge of the LHC.  
17./18.11.2009
- S. WEINZIERL (Univ. Mainz)  
 $e^+e^- \rightarrow 3$  jets at NNLO in QCD.  
19.11.2009
- A. CHILINGARIAN (Yerevan)  
Discovery of the thunderstorm correlated fluxes of electrons,  
gammas and neutrons observed at mountain altitudes.  
24.11.2009
- C. B. LANG (Inst. f. Physik, FB Theoretische Physik,  
Universität Graz)  
Excited hadrons in  $n_f = 2$  QCD.  
30.11.2009
- M. KOWALSKI (Bonn)  
Studying Dark Energy with Supernovae.  
01.12.2009
- M. SACHWITZ  
Schnelle Schaltspiegelkammer für FLASH.  
08.12.2009
- K. SAFARIK (CERN)  
From pp to heavy-ion collisions at the LHC:  
the ALICE experimental programme.  
08./09.12.2009
- S. ALIOLI  
Shower Monte Carlo at Next-to-Leading Order:  
the POWHEG method.  
10.12.2009
- P. WIENEMANN (Bonn)  
Predicting and understanding Supersymmetry.  
15.12.2009
- P. BECHTLE  
Fits of SUSY Models.  
16.12.2009

G. SOMOGYI  
Cosmological perturbation theory for cold dark matter  
and baryons.  
17.12.2009

### Innerbetriebliche Fortbildung

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V. GUELZOW  
Computing – Wirklich erst seit 50 Jahren?  
27.05.2009

P. SCHMIDT, C. GERKE  
50 Jahre Betriebsratsarbeit bei DESY.  
17.06.2009

### Öffentliche Abendvorträge

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A. MAHN (Altonaer Museum, Hamburg)  
Propeller des Fortschritts. Die Zeises in Altona – Geschichte einer  
Fabrik und ihrer Gründerfamilie.  
14.01.2009

E. LOHRMANN  
Von der Vision zur Wirklichkeit – DESYs erste Beschleuniger.  
25.03.2009

J. LEMMERICH (Berlin)  
Hermann von Helmholtz – Zur Person und seiner Zeit.  
22.04.2009

M. TOLAN (Univ. Dortmund)  
Die Titanic – mehr als nur ein Untergang.  
18.05.2009

P. BECHTLE  
Illuminati – die wahre Geschichte der Antimaterie.  
03.06.2009

K. BÜSSER  
Weltbilder auf dem Prüfstand – DESY und die Zukunft  
der Teilchenphysik.  
10.06./23.09.2009

R.-D. HEUER (CERN)  
Teilchenphysik und das Dunkle Universum – 50 Jahre  
Teilchenphysik bei DESY.  
21.08.2009

E. PLÖNJES  
Eine brillante Zukunft für DESY – Röntgenlaser in Hamburg.  
09.09.2009

E. WECKERT  
Geschichte und Zukunft der Synchrotronstrahlung am DESY.  
21.10.2009

C. SPIERING  
Wie die Astroteilchenphysik zu DESY kam.  
28.10.2009

F. SCHLÜNZEN  
Ribosomenforschung am DESY – von der Ursuppe  
zum Nobelpreis.  
10.11.2009

H. FRANZ  
PETRA III: DESYs Speicherring – Lichtquelle der Superlative.  
02.12.2009

K. STADLER (Üsslingen, Schweiz)  
Die drahtlose Telegraphie Nobelpreis 1909 – Braun und Marconi.  
07.12.2009

### BRIDFAS Lectures

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B. GEIGER  
Venus and Adonis.  
14.01.2009

N. FAULKNER  
Cities of Vesuvius: Art and Everyday Life in Ancient Pompeii  
and Herculaneum.  
19.02.2009

V. WOODGATE  
The Life and Works of Pablo Picasso.  
26.03.2009

V. WOODGATE  
Looking at Portraits – a very English Taste.  
28.03.2009

J. WALTON  
Bernini and Baroque Rome.  
23.04.2009

J. MARSH-HOBBS  
Secrets of the Royal Pavilion – A Look Behind the Scenes.  
17.06.2009

A. ANDERSON  
Victorian Art in Liverpool.  
22.10.2009

P. MEDHURST  
The Musical World of Gainsborough and Zoffany.  
26.11.2009

### Direktorium

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#### Vorträge

H. DOSCH  
Grand Challenges for Megafacilities.  
Talk DESY, Zeuthen/DE (02/2009)

Expedition in den Nanokosmos: Reise in die Zukunft.  
DPG Tagung Hamburg, Hamburg/DE (03/2009)

X-ray Light at Ice and Water Interfaces.  
Binary Alloys in Confinement.  
Grand Challenges for Megafacilities.  
Jerome-Cohen-Lectures, Chicago/USA (03/2009)

Grand Challenges for Megafacilities.  
GSI Darmstadt, Darmstadt/DE (06/2009)

Recent Developments at DESY and GENNESYS Initiative.  
ESFRI-Meeting, Brussels/BE (06/2009)

A Brilliant Future for Materials Science.  
Festveranstaltung zum 20-jährigen Jubiläum des Instituts f.  
Materialwissenschaft, Darmstadt/DE (06/2009)

Grand Challenges for Megafacilities.  
Amtsübergabe SFB 634, Darmstadt/DE (06/2009)

Grand Challenges for Megafacilities.  
Münchener Physik-Kolloquium, München/DE (07/2009)

Perspektiven des Wissenschaftsstandortes Altona.  
Tag der Wirtschaft, Hamburg/DE (09/2009)

Results and Recommendations from the GENNESYS Study.  
Ramiri Symposium, Hamburg/DE (09/2009)

Grand Challenges for Megafacilities.  
Kolloquium at RAL/Diamond, Didcot/UK (09/2009)

Grand Challenges for Megafacilities.  
Kolloquiumsvortrag, Münster/DE (10/2009)

How can strategic access to Ris foster technology advancement.  
ERF Seminar, Lund/SE (10/2009)

Forschung am DESY – die grossen Herausforderungen.  
Übersee-Club, Hamburg/DE (10/2009)

New Synchrotron Radiation and X-ray Laser Sources for the  
Future.  
Russian Academy of Sciences, Institut of Crystallography  
RSNE-NBIOK2009, Moscow/RU (11/2009)

#### U. GENSCH

Forschung und Projekte bei DESY.  
Tagung Verbindungsausschuss VIK – BMBF, Zeuthen/DE  
(01/2009)

#### J. MNICH

DESY Particle Physics Programme.  
IPM School for Particles and Accelerators, Isfahan/IR (04/2009)

DESY Strategy.  
11th Pisa Meeting on Advanced Detectors, Elba/IT (05/2009)

Experiments at the Large Hadron Collider.  
Helmholtz International School Calculations for Modern and  
Future Collider CALC2009, Dubna/RU (06/2009)

The Large Hadron Collider Project at CERN.  
EMBL Forum on Science and Society, Hamburg/DE (06/2009)

#### C. SCHERF

Wieviel Management braucht (verträgt) die Wissenschaft.  
Tage des Wissenschaftsmanagements, Loveno di Menaggio/IT  
(07/2009)

#### E. WECKERT

New Storage Ring and FEL Photon Sources at DESY.  
Kolloquiumsvortrag Universität Frankfurt, Frankfurt/DE (01/2009)

DESY: Perspective and Plans.  
1st Russian-German Workshop on the Development and Use of  
Accelerator-Driven Photon Sources, Berlin/DE (02/2009)

Experimental Capabilities for Structural and Dynamical  
Investigations at the Nanoscale at DESY.  
Courant Research Centre Nano-Spectroscopy and X-Ray Imaging,  
Göttingen/DE (03/2009)

Research with real photons at DESY – an overview.  
PHOTON09, Hamburg/DE (05/2009)

New Developments in Photon Science at DESY.  
Polish Academy of Sciences, Krakow/PL (06/2009)

New Photon Sources at DESY.  
Norwegian Synchrotron Radiation Users Meeting,  
Lillehammer/NO (06/2009)

PETRA III a case study.  
Ramiri Symposium, Hamburg/DE (09/2009)

Status, Present and Future Scientific Programs of the new Photon  
Sources in Hamburg.  
10th International Conference on Synchrotron Radiation  
Instrumentation (SRI) 2009, Melbourne/AU (09/2009)

New brilliant sources for photon science at DESY.  
22nd Annual User Meeting MAX-lab, Lund/SE (11/2009)

New Light Sources for Science on the Nano Scale at DESY.  
RSNE-NBIC-2009, Moscow/RU (11/2009)

## Forschung Hochenergiephysik

### ZEUS- und H1-Experiment

#### Veröffentlichungen

H1 AND ZEUS COLLABORATION, F.D. AARON ET AL.  
Multi-Leptons with High Transverse Momentum at HERA.  
JHEP 10 (2009) 013 and DESY 09-108; arXiv:0907.3627  
<http://dx.doi.org/10.1088/1126-6708/2009/10/013>

#### Preprints und Interne Berichte

H1 AND ZEUS COLLABORATION, F.D. AARON ET AL.  
Events with an Isolated Lepton and Missing Transverse  
Momentum Measurement of W Production at HERA.  
DESY 09-140; arXiv:0911.0858

Combined Measurement and QCD Analysis of the Inclusive  $e\pm$   
Scattering Cross Sections at HERA.  
DESY 09-158; arXiv:0911.0884

### H1-Experiment

#### Veröffentlichungen

H1 COLLABORATION, F.D. AARON ET AL.  
A General Search for New Phenomena at HERA.  
Phys. Lett. B 674 (2009) 257 and DESY 08-173

Strangeness Production at low  $Q^2$  in Deep-Inelastic ep Scattering  
at HERA.  
Eur. Phys. J. C 61 (2009) 185 and DESY 08-095

Search for Single Top Quark Production at HERA  $F_2^{\text{cc}}$ .  
Phys. Lett. B 678 (2009) 450 and DESY 09-050; arXiv:0904.3876

Search for Excited Quarks in ep Collisions at HERA.  
Phys. Lett. B 678 (2009) 335 and DESY 09-040; arXiv:0904.3392

A Precision Measurement of the Inclusive ep Scattering Cross  
Section at HERA.  
Eur. Phys. J. C 64 (2009) 561 and DESY 09-005  
<http://dx.doi.org/10.1140/epjc/s10052-009-1169-x>

Observation of the Hadronic Final State Charge Asymmetry in  
High  $Q^2$  Deep-Inelastic Scattering at HERA.  
Phys. Lett. B 681 (2009) 125 and DESY 09-084; arXiv:0907.2666

Deeply Virtual Compton Scattering and its Beam Charge  
Asymmetry in  $e^\pm p$  Collisions at HERA.  
Phys. Lett. B 681 (2009) 391 and DESY 09-109; arXiv:0907.5289

Events with Isolated Leptons and Missing Transverse Momentum  
and Measurement of W Production at HERA.  
Eur. Phys. J. C 64 (2009) 251 and DESY 08-170; arXiv:0901.0488

Measurement of the Inclusive ep Scattering Cross Section  
at Low  $Q^2$  and x at HERA.  
Eur. Phys. J. C 63 (2009) 625 and DESY 08-171; arXiv:0904.0929

Measurement of Diffractive Scattering of Photons with Large  
Momentum Transfer at HERA.  
Phys. Lett. B 672 (2009) 219 and DESY 08-077; arXiv:0810.3096

Study of Charm Fragmentation into  $D^{*\pm}$  Mesons in Deep-Inelastic  
Scattering at HERA.  
Eur. Phys. J. C 59 (2009) 33 and DESY 08-080; arXiv:0808.1003

Inclusive Photoproduction of  $\rho^0$ ,  $K^{*0}$  and  $\phi$  Mesons at HERA.  
Phys. Lett. B 673 (2009) 119 and DESY 08-172

J.G. CONTRERAS  
A Few Highlights of Heavy Flavor measurements at HERA.  
Nucl. Phys. B, Proc. Suppl. 186 (2009) 4

M. DEAK, F. HAUTMANN, H. JUNG, K. KUTAK  
Forward Jet Production at the Large Hadron Collider.  
JHEP 09 (2009) 121  
<http://dx.doi.org/10.1088/1126-6708/2009/09/121>

C. DIACONU  
QCD Experiment I: Structure Functions.  
Int. J. Mod. Phys. A 24 (2009) 1069 and arXiv:0901.0046

K. KUTAK  
Saturation and Linear Transport Equation.  
Phys. Lett. B 675 (2009) 332 and DESY 09-043; arXiv:0903.3521

#### Preprints und Interne Berichte

H1 COLLABORATION, F.D. AARON ET AL.  
Measurement of the Charm and Beauty Structure Functions using  
the H1 Vertex Detector at HERA.  
DESY 09-096; arXiv:0907.2643

Diffractive Electroproduction of  $\rho$  and  $\phi$  Mesons at HERA.  
DESY 09-093

Prompt Photons in Photoproduction at HERA.  
DESY 09-135; arXiv:0910.5631

Jet Production in ep Collisions at Low  $Q^2$  and Determination of  $\alpha_s$ .  
DESY 09-162

Measurement of the  $D^{*\pm}$  Meson Production Cross Section and  $F_2^{\text{cc}}$   
at High  $Q^2$  in ep Scattering at HERA.  
DESY 09-165; arXiv:0911.3989

Measurement of Leading Neutron Production in Deep-Inelastic  
Scattering at HERA.  
DESY 09-185

Jet Production in ep Collisions at High  $Q^2$  and Determination of  $\alpha_s$ .  
DESY 09-032

#### Veröffentlichte Vorträge

**Proc. of 4th Workshop on the Implications of HERA for LHC  
Physics at CERN, Geneva/CH (05/2008)**  
Verlag Deutsches Elektronen Synchrotron DESY (2009)

G. ALTARELLI ET AL.  
1. WG: Parton Density Functions, Introduction.  
Verlag Deutsches Elektronen Synchrotron DESY (2009) 5

M. ARNEODO, M. DIEHL, V.A. KHOZE, P. NEWMAN  
Working Group on Diffraction: Executive Summary.  
Verlag Deutsches Elektronen Synchrotron DESY (2009) 4



R.D. BALL ET AL.  
Benchmarking of Parton Distributions and their Uncertainties.  
Verlag Deutsches Elektronen Synchrotron DESY (2009) 21

S. BARANOV ET AL.  
 $k_{\perp}$  Factorization and Forward Jets.  
Verlag Deutsches Elektronen Synchrotron DESY (2009) 35

S. BOUTLE, J. BRACINIK, A. GEISER, G. GRINDHAMMER,  
A.W. JUNG, P. ROLOFF, Z. RURIKOVA, M. TURCATO,  
A. YAGÜES-MOLINA  
Experimental Study of Heavy Flavour Production at HERA.  
Verlag Deutsches Elektronen Synchrotron DESY (2009) 22

A. BRUNI, X. JANSSEN, P. MARAGE  
Exclusive Vector Meson Production and Deeply Virtual Compton  
Scattering at HERA.  
Verlag Deutsches Elektronen Synchrotron DESY (2009) 13

A. BUNYATYAN ET AL.  
5. WG: Cosmic Rays, HERA and the LHC, Introduction.  
Verlag Deutsches Elektronen Synchrotron DESY (2009) 15

Experimental Results.  
Verlag Deutsches Elektronen Synchrotron DESY (2009) 29

Model Predictions for HERA, LHC and Cosmic Rays.  
Verlag Deutsches Elektronen Synchrotron DESY (2009) 17

5. WG: Cosmic Rays, HERA and the LHC, Summary.  
Verlag Deutsches Elektronen Synchrotron DESY (2009) 2

A. COOPER-SARKAR, A. GLAZOV, G. LI, J. GREBENYUK,  
V. LENDERMANN  
Determination of Parton Distributions.  
Verlag Deutsches Elektronen Synchrotron DESY (2009) 31

M. DEAK, H. JUNG, K. KUTAK  
CASCADE.  
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## International Linear Collider

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- Amyloid2009, Halle/DE (02/2009)
- 1st Int. Conference on Multifunctional, Hybrid and Nanomaterials,  
Tours/FR (03/2009)
- DGK17, Hannover/DE (03/2009)
- 3rd Symposium – Skin Forum, 10th Annual Meeting,  
Versailles/FR (03/2009)
- DPG, Dresden/DE (03/2009)
- FM-NT2009, Riga/LV (03/2009)
- MEM-BRAIN General Meeting, Jülich/DE (03/2009)
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- NanoWal, Liege/BE (05/2009)
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- PETRA III High Pressure Workshop, Hamburg/DE (05/2009)
- International ASAXS Workshop, Berlin/DE (05/2009)
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- (Glyco)lipids, Structures, Functions, and Interactions’ Meeting,  
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- ICPEAC 2009, Kalamazoo, Michigan/USA (07/2009)
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- NANOTEC09, Brussels/BE (08/2009)
- ECM 2009, Istanbul/TR (08/2009)
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- Gordon Research Conference: Dynamics At Surfaces, Proctor  
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- 2009 Nuclear Science Symposium and Medical Imaging Conference, Orlando/USA (10/2009)
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### Habilitationen

H. KLEIN  
Entwicklung und Anwendung neuer Methoden der Texturanalyse.  
University Göttingen (2009)

### Dissertationen

M.M. ABUL KASHEM  
Magnetic Particles in supported polymer nanostructures.  
Technische Universität München (2009)

J. ANGELKORT  
Characterization of phase transitions by the analysis of crystal structures.  
Universität Bayreuth (2009)

A. AZIMA

An electro-optical timing diagnostic for pump-probe experiments at the Free-Electron Laser in Hamburg FLASH.

Universität Hamburg (2009)

DESY-THESIS-2009-027

M. BAUER

Investigations of alkoxide precursor solutions and homogeneous catalyzed reactions by X-ray absorption and multi-dimensional spectroscopy.

University of Stuttgart (2009)

YA.M. CHORNODOLSKYY

Core-valence luminescence and energy structure parameters of wide-band-gap halide crystals.

Ivan Franko National University of Lviv, Lviv, Ukraine (2009)

L. DEGHEDI

Sélectivation de catalyseurs au nickel: modification et caractérisation contrôlées par site.

Université de Lyon 1 (2009)

K. DZIEDZIC-KOCUREK

Local states of iron in iron-porphyrin complexes.

Jagiellonian University, Krakow, Poland (2009)

U. FRÜHLING

Lichtfeld getriebene Streak-Kamera zur Einzelschuss Zeitstrukturmessung der XUV-Pulse eines Freie-Elektronen Lasers.

Univ. Hamburg (2009)

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A. GRADYS

Polymorphic transitions of low molecular weight materials and polymers.

Institute of Fundamental Technological Research, Polish Academy of Sciences (2009)

J.-U. GÜNTHER

Röntgenographische Untersuchungen lateraler Strukturen in molekular dünnen Polyelektrolytfilmen an der Luft-Wasser-Grenzfläche.

Ernst Moritz Arndt Universität Greifswald (2009)

F. HUENEFELD

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Friedrich-Schiller-Universität Jena (2009)

M.Z. KASTYAK

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AGH University of Science and Technology (2009)

T. KLEINTEICH

The evolution of intrauterine feeding in the Gymnophiona (Lissamphibia): A comparative study on the morphology, function, and development of cranial muscles in oviparous and viviparous species.

Universität Hamburg (2009)

M.T. KLEPKA

Characterization of elemental composition and chemical bonding in disordered materials using spectroscopic techniques.

Institute of Physics, Polish Academy of Sciences (2009)

S. LENZ

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Johannes Gutenberg Universität Mainz (2009)

S. MASCOTTO

Synthesis of mesoporous metal oxides and their characterization combining small-angle scattering and gas physisorption methods.

Justus-Liebig-Universität Giessen (2009)

S. MEBS

Elektronendichtebestimmung an großen Molekülen.

FU Berlin (2009)

S. NETT

Functional Polymer Coatings –  $\mu$ -Patterning and  $\mu$ -Analysis.

Johannes Gutenberg University (2009)

B. PAUW

The Nanostructure of High-performance Fibres.

Technical University of Denmark (2009)

J. PERLICH

Nanostrukturierte Filme aus anorganisch-organischen Hybridmaterialien für die Photovoltaik.

TU München (2009)

A.J. PLOMP

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Utrecht University (2009)

S. PTACEK

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P.V. SAVCHYN

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Ivan Franko Nat. Univ. of Lviv, Lviv, Ukraine (2009)

A.A. SMIRNOV

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A. SMYKLA

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M. SZYMANEK

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J.-O. VOGEL

Co-deposited films of rod-like conjugated molecules – from phase separation to mixing.

Humboldt Universität zu Berlin (2009)

M. WIENER

Synthese und Charakterisierung Sol-Gel basierter Kohlenstoff-Materialien für die Hochtemperatur-Wärmedämmung.

Julius-Maximilians-Universität Würzburg (2009)

### Diplomarbeiten

M. BENCOVA

The study of physico-chemical properties of cationic liposomes.  
Faculty of Pharmacy Comenius University (2009)

J. BIEHLER

Einfluss der Kationensubstitution auf das Hochdruckverhalten  
ausgewählter ternärer Bismutoxide.  
Goethe-University Frankfurt, Frankfurt am Main (2009)

D. CARMELE

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RWTH Aachen (2009)

M. DOGANGUEZEL

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Technische Fachhochschule Berlin (2009)

A. GROTH

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TU Berlin, Institut für Werkstoffwissenschaften und -technologien  
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S. HEMES

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University Göttingen (2009)

G. HERZOG

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Universität Hamburg (2009)

J. U. G. KLOPPENBURG

Untersuchung der Mikrostruktur von ICE-Laufflächen.  
TU Berlin, Institut für Werkstoffwissenschaften und -technologien  
(2004)

K. KUNNUS

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 $12\text{CaO} \cdot 7\text{Al}_2\text{O}_3$ .  
University of Tartu, Estonia (2009)

M. MARCISZKO

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AGH-University of Science and Technology (2009)

J. OCHSMANN

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T. PREWITZ

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J. PSZCZOLA

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S. SCHIPMANN

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A. SCHRIEVER, M. MARTIN

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H. SHMAN'KO

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Lviv Polytechnic National University (2009)

T. SLAWIK

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S. STRIEPE

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University Göttingen (2009)

M. SVORKOVA

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C. WEBER

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D. WINKLER

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P. ZIETLOW

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