

Beschleuniger

Beschleuniger

Veröffentlichungen

V. AYVAZIAN ET AL.

First operation of a free-electron laser generating GW power radiation at 32 nm wavelength.
Eur. Phys. J. D 37 (2006) 297 and SLAC-PUB-12114

D.P. BARBER, M. VOGT

Spin Motion at and Near Orbital Resonance in Storage Rings with Siberian Snakes I: At Orbital Resonance.
New Journal of Physics 8 (2006) 296 and DESY 06-220

G. BASSI, T. AGOH, M. DOHLUS, L. GIANNESI, R. HAJIMA, A. KABEL, T. LIMBERG, M. QUATTROMINI
Overview of CSR Codes.
Nucl. Instrum. Methods A 557 (2006) 189

P. BAUER, N. SOLYAK, G.L. CIOVATI, G. EREMEEV, A. GUREVICH, L. LILJE, B. VISENTIN
Evidence for Non-linear BCS Resistance in SRF Cavities.
Physica C 441 (2006) 51

J. BÜRGER, J.A. DAMMANN, L. HAGGE, J. IVERSEN, A. MATHEISEN, W. SINGER
Toward Industrialization: Supporting the Manufacturing Processes of Superconducting Cavities at DESY.
Physica C 441 (2006) 268

Toward industrialization: Supporting the manufacturing processes of superconducting cavities at DESY.
Physica C 441 (2006) 268

P. CRAIEVICH, T. WEILAND, I. ZAGORODNOV
The Short-range Wakefields in the BTW Accelerating Structure of the ELETTRA LINAC.
Nucl. Instrum. Methods A 558 (2006) 58

A. DANGWAL, G. MÜLLER, D. RESCHKE
DC Field Emission Scanning Measurements on Electropolished Niobium Samples.
Physica C 441 (2006) 88

M. EL-GHAZALY, H. BACKE, W. LAUTH, G. KUBE, P. KUNZ, A. SHARAFUTDINOV, T. WEBER
X-ray Phase Contrast Imaging at MAMI.
Eur. Phys. J. A 28 (2006) 208

K. FUJITA, H. KAWAGUCHI, I. ZAGORODNOV, T. WEILAND
Time Domain Wake Field Computation with Boundary Element Method.
IEEE Trans. Nucl. Sci. 53 (2006) 431

P.D. GALL, A. GOESSEL, V. GUBAREV, J. IVERSEN
A Database for Superconducting Cavities for the TESLA Test Facility.
Physica C 441 (2006) 272

A. KABEL, Y. CAI, M. DOHLUS, T. SEN, R. UPLENCHWAR
Applications of Parallel Computational Methods to Charged-Particle Beam Dynamics.

Nucl. Instrum. Methods A 558 (2006) 163

F. LÖHL, S. SCHREIBER, M. CASTELLANO, G. DI PIRRO,

L. CATANI, A. CIANCHI, K. HONKAVAARA

Measurements of the Transverse Emittance at the FLASH Injector at DESY.

Phys. Rev. STAB 9 (2006) 092802

S. MOLLOY ET AL.

High Precision Superconducting Cavity Diagnostics with Higher Order Mode Measurements.

Phys. Rev. STAB 9 (2006) 112802

E.L. SALDIN, E.A. SCHNEIDMILLER, M.V. YURKOV
Properties of the Third Harmonic of the Radiation from Self-amplified Spontaneous Emission Free Electron Laser.

Phys. Rev. STAB 9 (2006) 030702

Self-amplified Spontaneous Emission FEL with Energy-chirped Electron Beam and its Application for Generation of Attosecond X-ray Pulses.

Phys. Rev. STAB 9 (2006) 050702

Statistical Properties of the Radiation from VUV FEL at DESY Operating at 30 nm Wavelength in the Femtosecond Regime.

Nucl. Instrum. Methods A 562 (2006) 472

J. SEKUTOWICZ

New Geometries: Elliptical Cavities.

ICFA Beam Dynamics Newsletter 39 (2006) 6

W. SINGER

Seamless/bonded Niobium Cavities.

Physica C 141 (2006) 89

G. TURCHETTI, G. BASSI, A. BAZZANI, B. GIORGINI, H. MAIS
Hamiltonian Dynamics with a Weak Noise and the Echo Effect for the Rotator Model.

J. Phys. A 39 (2006) 11440

I. ZAGORODNOV, T. WEILAND

TE/TM Alternating Direction Scheme for Wake Field Calculation in 3D.

Nucl. Instrum. Methods A 558 (2006) 95

I. ZAGORODNOV

Indirect Methods for Wake Potential Integration.

Phys. Rev. STAB 9 (2006) 102002 and DESY 06-081

Preprints und Interne Berichte

K. BALEWSKI, I. KRUPCHENKOV, K. WITTENBURG

Examination of the Bunch Current and Bunch Pattern Dependence of the LIBERA BPM Electronic.

MDI internal Report Nr. 2006 1

A.K. BANDYOPADHYAY, A. JÖSTINGMEIER, A.S. OMAR,

R. WANZENBERG

Computations of Wakefields for Beam Position Monitors of PETRA III.

DESY M 06-02

- K.L. BANE ET AL.
Configuration Studies and Recommendations for the ILC Damping Rings.
Cockcroft-0604, LBNL 59449
- P. CASTRO
A Tool to Analyse and Display the Current Stability of Magnet Power Supplies in FLASH.
Technical Note 2006-01
- Beam Trajectory Investigations with Degaussed Quadrupoles in the Undulator Section in FLASH.
TESLA-FEL 2006-10
- Measurements of Remanent Fields in TQG Quadrupoles by Means of Beam Position Measurements in FLASH.
TESLA-FEL 2006-11
- E. CHIADRONI
Bunch Length Characterization at the TTF VUV-FEL.
TESLA-FEL 2006-09
- T. CZARSKI, K. POZNAK, R. ROMANIUK, S. SIMROCK
Control System Modelling for Superconducting Accelerator.
TESLA 2006-08
- TESLA Cavity Modeling and Digital Implementation in FPGA Technology for Control System Development.
TESLA-FEL 2001-01
- T. CZARSKI, W. KOPREK, K. POZNAK, R. ROMANIUK, S. SIMROCK, A. BRANDT
Superconducting Cavity Driving with FPGA Controller.
TESLA-FEL 2006-07
- H. EHRLICHMANN
Bunch Timing Aspects for the ILC.
DESY M 06-01
- L. FRÖHLICH
Thermal Load on Wirescanners in the FLASH Linac.
Technical Note 2006-02
- G. GELONI, E.L. SALDIN, E.A. SCHNEIDMILLER, M.V. YURKOV
Fourier Optics Treatment of Classical Relativistic Electrodynamics.
DESY 06-127
- Longitudinal Wake Field for an Electron Beam Accelerated through a Ultra-High Field Gradient.
DESY 06-222
- Statistical Optics Approach to the Design of Beamlines for Synchrotron Radiation.
DESY 06-037
- R. GRACZYK, K. POZNAK, R. ROMANIUK
FPGA Based Modular Configurable Controller with Fast Synchronous Optical Network.
TESLA 2006-09
- O. GRIMM, P. SCHMÜSER
Principles of Longitudinal Beam Diagnostics with Coherent Radiation.
TESLA FEL 2006-03
- B. GRISHANOV ET AL.
ATF2 Proposal, Vol. 2.
DESY 06-001
- K. HACKER, P. CASTRO, M. HUENING, D. NOELLE, H. SCHLARB, E. SCHNEIDMILLER, E. PLOENJES
TTF2 ACC5 Gradient Measurement.
Technical Note 05-03
- R.J. HERNANDEZ PINTO, M. OTTO, M. VALENTAN
Radiation Measurements in the FLASH Tunnel in Summer 2006.
Technical Note 2006-04
- M. HOFFMANN, S. SIMROCK
Ein optimales Modulationsverfahren für Multibunch-Feedbacksysteme.
Technical Note 2006-03
- M. HOFFMANN
HERA-p Longitudinal.
DESY HERA 06-03
- W. JALMUZNA
Design and Implementation of Universal Mathematical Library Supporting Algorithm Development for FPGA Based Systems in High Energy Physics Experiments.
TESLA 2006-01
- K. KORZUNOWICZ
Application of a Genetic Algorithm to Unfold Thermoluminescence Dosimeter (TLD) Glow Curves for Use During Radiation Measurements for X-FEL Experiment in DESY, Hamburg.
TESLA 2006-02
- B. LORBEER
Stability of the Master Oscillator for FLASH at DESY.
TESLA 2006-11
- F. MARHAUSER
Finite Element Analyses for RF Photoinjector Gun Cavities.
TESLA-FEL 2006-02
- M. MASLOV, V. SYTCHEV, M. SCHMITZ
Layout Considerations on the 25GeV / 300kW Beam Dump of the XFEL Project.
TESLA-FEL 2006-05
- K. MÜLLER, J. PETERS
Improving the Hminus Puls Quality with an Active HV Drop Compensation.
DESY HERA 06-02
- B. NAGORNY
Synchrotronstrahlung und Synchrotronstrahlungsabsorber im Spinrotator im HERA e-Ring.
DESY HERA 06-01
- K. PERKUSZEWSKI, K. POZNAK, W. JALMUZNA, W. KOPREK, J. SZEWINSKI, R. ROMANIUK, S. SIMROCK
FPGA Based Multichannel Optical Concentrator SIMCON 4.0 for TESLA Cavities LLRF Control System.
TESLA 2006-07

R. PIETRASIK
SIMCON 3.1 LLRF System Control Board Measurements (for TESLA Test Facility).
TESLA 2006-05

M.T. PRICE ET AL.
Beam Profile Measurements with the 2-D Laser-Wire.
EUROTeV-Report-2006-046-1

P. PUCYK
DOOCS Patterns, Reusable Software Components for FPGA Based RF Gun Field Controller.
TESLA 2006-10

E.L. SALDIN, E.A. SCHNEIDMILLER, M.V. YURKOV
Coherence Properties of the Radiation from X-Ray Free Electron Laser.
DESY 06-137

SASE FEL with Energy-Chirped Electron Beam and Its Application for Generation of Attosecond Pulses.
DESY 06-051

J. SEKUTOWICZ
Parameter Set for CW and Near-CW Operation of Superconducting Linac Driving a FEL Facility.
TESLA-FEL 2006-08

E. VOGEL, V. AYVASYAN, J. BECKER, W. KRIENS, K. REHLICH, S. SIMROCK, P. TEGE
Timing Requirements and Proposal of a Timing Concept for the European XFEL.
TESLA 2006-12

M. WERNER, K. WITTENBURG
Very Fast Beam Losses at HERA, and What Has Been Done about It.
DESY HERA 06-04

J.S. ZIELINSKI
Synchronic, Optical Transmission Data Link Integrated with FPGA Circuits (for TESLA LLRF Control System).
TESLA 2006-04

F. ZIMMERMANN, D. SCHULTE, R. CIMINO, C. VACCAREZZA, M. ZOBOV, R. WANZENBERG
Electron Cloud in Wigglers.
CLIC-NOTE-650; CERN-CLIC-NOTE-650;
EUROTeV-REPORT-2006-002

Veröffentlichte Vorträge

Proc. of BIW06, Batavia/USA

AIP (2006)

O.V. AFANASYEV, A.B. BALUEV, K.I. GUBRIENKO, E.A. MERKER, K. WITTENBURG, I. KROUPTCHENKOW
A Beam Shape Oscillation Monitor for HERA.
AIP (2006) 534

N. BABOI, J. KRUSE, J. LUND-NIELSEN, D. NOELLE, T. TRABER, W. RIESCH, M. WENDT

Resolution Studies on Beam Position Monitors at the VUV-FEL at DESY.
AIP (2006) 227

G. KUBE, G. PRIEBE, CH. WIEBERS, K. WITTENBURG
Proton Synchrotron Radiation Diagnostics at HERA.
AIP (2006) 374

C. SIMON ET AL.
High Resolution BPM for the Linear Colliders.
AIP (2006) 488

Proc. of EPAC'06, Edinburgh/UK

JACOW (2006)

A.K. BANDYOPADHYAY, A. JÖSTINGMEIER, A.S. OMAR, K. BALEWSKI, R. WANZENBERG
Computations for the Beam Positioning Monitors of PETRA III.
JACOW (2006) 3326

K.L.F. BANE, I. ZAGORODNOV
Wakefields in the LCLS Undulator Transitions.
JACoW (2006) 2952, SLAC-PUB-11937

V. BORISOV, E. MATYUSHEVSKY, N. MOROZOV, E. SYRESIN, O. GRIMM, M. YURKOV, J. ROSSBACH
Simulations of Electromagnetic Undulator for Far Infrared Coherent Source of TTF at DESY.
JACoW (2006) 3595

A. BRINKMANN, J. IVERSEN, D. RESCHKE, J. ZIEGLER
Dry-Ice Cleaning on SRF-Cavities.
JACoW (2006) 418

J.A. CLARKE ET AL.
Status of the HeLiCal Contribution to the Polarised Positron Source for the International Linear Collider.
JACoW (2006) 715

H. DELSIM-HASHEMI, B. SCHMIDT, J. ROSSBACH, O. GRIMM, P. SCHMÜSER, H. SCHLARB, A.V. G VAN DER MEER
Bunch Compression Monitor.
JACOW (2006) 86

M. DOHLUS
Modelling of Space Charge and CSR Effects in Bunch Compressor Systems.
JACoW (2006) 1897

J.C. FRISCH ET AL.
High Precision SC Cavity Alignment Diagnostics with HOM Measurements.
JACoW (2006) 920

O. GRIMM, K. KLOSE, S. SCHREIBER
Double-pulse Generation with the FLASH Injector Laser for Pump/Probe Experiments.
JACoW (2006) 3143

O. GRIMM, P. SCHMÜSER
Principles of Longitudinal Beam Diagnostics with Coherent Radiation.
JACOW (2006) 1040

- Y. IVANYUSHENKOV ET AL.
Development of a Superconducting Helical Undulator for the ILC
Positron Source.
JACoW (2006) 706
- H. KAPITZA, P. GÖTTLICHER, N. HEIDBROOK, H. SCHLARB
FEL Disturbance by Ambient Magnetic Field Changes.
JACoW (2006) 74
- J.-W. KIM, J. BURNHAM, J. CHEN, F.X. KÄRTNER,
F.Ö. ILDAY, F. LUDWIG, H. SCHLARB, A. WINTER,
M. FERIANIS, D. CHEEVER
An Integrated Femtosecond Timing Distribution System for
XFELs.
JACoW (2006) 2744
- Y. LI, K. BALEWSKI, W. DECKING
Dynamic Aperture Studies for PETRA III.
JACoW (2006) 3320
- L. LILJE
High-Gradient Superconducting Radiofrequency Cavities for
Particle Acceleration.
JACoW (2006) 2752
- Performance Limitations of Tesla Cavities in the FLASH
Accelerator and their Relation to the Assembly Process.
JACoW (2006) 421
- F. LÖHL, K.E. HACKER, F. LUDWIG, H. SCHLARB,
B. SCHMIDT, A. WINTER
A Sub 100 fs Electron Bunch Arrival-time Monitor System for
FLASH.
JACoW (2006) 2781
- G.A. MOORTGAT-PICK ET AL.
Spin Tracking at the ILC.
JACoW (2006) 2454
- A. PAECH, W. ACKERMANN, T. WEILAND, O. GRIMM
Numerical Simulation of Synchrotron Radiation for Bunch
Diagnostics.
JACoW (2006) 1031
- M. PIVI, L. WANG, K. OHMI, R. WANZENBERG, A. WOLSKI,
F. ZIMMERMANN
Simulation of the Electron Cloud for Various Configurations of
a Damping Ring for the ILC.
JACoW (2006) 2958
- E. PRAT, W. DECKING, T. LIMBERG
Measurement and correction of dispersion in the VUV-FEL.
JACoW (2006) 1951
- V. PTITSYN ET AL.
eRHIC - Future Machine for Experiments on Electron-Ion
Collisions.
JACoW (2006) 676
- J. RANDHAHN, S. CHOROBA, M. DOHLUS, M. EBERT,
F. EINTS, M. HOFFMANN, R. WAGNER
Design and Operation of a Ferrite Loaded Kicker Cavity for the
Longitudinal Coupled Bunch Feedback for HERA-p.
JACoW (2006) 2991
- J. ROCHFORD ET AL.
Magnetic Modelling of a Short-Period Superconducting Helical
Undulator for the ILC Positron Source.
JACoW (2006) 840
- M. RÖHRS, C. GERTH, M. HÜNING, H. SCHLARB
Energy-Time Correlation Measurements Using a Vertically
Deflecting RF Structure.
JACoW (2006) 80
- Slice Emittance Measurements at FLASH.
JACoW (2006) 77
- G.K. SAHOO, K. BALEWSKI, W. DECKING
Spurious Vertical Dispersion Correction for PETRA III.
JACoW (2006) 1954
- H. SCHLARB ET AL.
Comparative Study of Bunch Length and Arrival Time
Measurements at FLASH.
JACoW (2006) 1049
- H. SCHLARB, N. HEIDBROOK, H. KAPITZA, F. LUDWIG,
N. NGADA
Precision RF Gun Phase Monitor System for the VUV-FEL.
JACoW (2006) 1052
- A. WINTER, F. LÖHL, F. LUDWIG, H. SCHLARB, B. SCHMIDT,
P. SCHMÜSER
Layout of the Optical Synchronization System for FLASH.
JACoW (2006) 1061
- A. WINTER, J. CHEN, F.Ö. ILDAY, F.X. KÄRTNER, F. LUDWIG,
H. SCHLARB, P. SCHMÜSER
High-Precision Laser Master Oscillators for Optical Timing
Distribution Systems in Future Light Sources.
JACoW (2006) 1064
- High-Precision Laser Master Oscillators for Optical Timing
Distribution Systems in Future Light Sources.
JACoW (2006) 2747
- I. ZAGORODNOV, K.L.F. BANE
Wakefield Calculations for 3D Collimators.
JACoW (2006) 2859, SLAC-PUB-11938
- I. ZAGORODNOV, M. DOHLUS, T. LIMBERG
Impact of Undulator Wakefields and Tapering on the European
FEL Performance.
JACoW (2006) 83
- I. ZAGORODNOV, N. SOLYAK
Wakefield Effects of New ILC Cavity Shapes.
JACoW (2006) 2862
- V. ZIEMANN, N. JAVAHIRALY, P. VAN DER MEULEN,
M. LARSSON, E. SALDIN, H. SCHLARB, E. SCHNEIDMILLER,
A. WINTER, M. YURKOV
Technical Aspects of the Integration of the Optical Replica
Synthesizer for the Diagnostics of Ultra-Short Bunches in FLASH
at DESY.
JACoW (2006) 1199

V. ZIEMANN, P. VAN DER MUELEN, M. LARSSON,
 N. JAVAHIRALY, H. SCHLARB, A. WINTER, E. SALDIN,
 E. SCHNEIDMILLER, M.V. YURKOV
 Technical Aspects of the Integration of the Optical Replica
 Synthesizer for the Diagnostics of Ultra-Short Bunches in FLASH
 Facility.
 JACoW (2006) 1199

Proc. of FEL2006, Berlin/DE

Jacow (2006)

B. BEUTNER, W. DECKING, M. DOHLUS, T. LIMBERG,
 M. RÖHRS
 Beam Dynamics Experiments and Analysis on CSR Effects at
 FLASH.
 Jacow (2006) 56

H. DELSIM-HASHEMI, B. SCHMIDT, J. ROSSBACH, O. GRIMM,
 P. SCHMÜSER, H. SCHLARB, A.V. G VAN DER MEER
 Single-Shot Longitudinal Diagnostics with THz Radiation at the
 Free-Electron Laser Flash.
 BESSY (2006) 594

G. GELONI, E. SALDIN, E. SCHNEIDMILLER, M. YURKOV
 Fourier Optics Treatment of Classical Relativistic
 Electrodynamics.
 JACoW (2006) 501

K. HACKER, F. LOEHL, H. SCHLARB
 Beam Pickup Designs Suited for an Optical Sampling Technique.
 JACoW (2006) 451, TUPPH054

N. JAVAHIRALY, P. VAN DER MEULEN, M. LARSSON,
 E. SALDIN, H. SCHLARB, E. SCHNEIDMILLER, A. WINTER,
 M.V. YURKOV, V. ZIEMANN
 Technical Aspects of the Integration of the Optical Replica
 Synthesizer for the Diagnostics of Ultra-Short Bunches into
 FLASH at DESY.
 JACoW (2006) 296

M. RÖHRS, C. GERTH, H. SCHLARB
 Investigations of the Longitudinal Electron Bunch Structure at the
 FLASH Linac with a Transverse Deflecting RF-Structure.
 JACoW (2006) 80

E.L. SALDIN, E.A. SCHNEIDMILLER, M. V. YURKOV
 Attosecond Pulses from X-Ray FEL with an Energy-Chirped
 Electron Beam and a Tapered Undulator.
 JACoW (2006) 202

Transverse and Longitudinal Coherence Properties of the
 Radiation from X-Ray SASE FELs.
 JACoW (2006) 206

Proc. of ICAP 2006, Chamonix/FR

JACoW (2006)

M. DOHLUS
 Computational Needs for XFELs.
 JACoW (2006) 164

S. LANGE, M. CLEMENS, L.O. FICHTE, M. DOHLUS,
 T. LIMBERG
 Numerical Minimization of Longitudinal Emittance in Linac
 Structures.
 JACoW (2006) 124

A. MARKOVIK, G. PÖPLAU, U. VAN RIENEN, R. WANZENBERG
 Tracking Code with 3-D Space-Charge Calculations Taking into
 Account the Elliptical Shape of the Beam Pipe.
 JACoW (2006) 220

Weitere Konferenzen

K. ABRAHAMYAN ET AL.
 Experimental Characterization and Numerical Simulations of the
 Electron Source at PITZ.
 Proc. of ICAP 2004, St. Petersburg/RU
 Nucl. Instrum. Methods A 558 (2006) 249

G. AMATUNI, V. TSAKANOV, W. DECKING, R. BRINKMANN
 Single Bunch Emittance Preservation in XFEL Linac.
 Proc. of 37th ICFA Advanced Beam Dynamics Workshop on
 Future Light Sources, Hamburg/DE
 JACoW (2006) 33

S. ANAKHOV, X. SINGER, W. SINGER, H. WEN
 Gas and RRR Distribution in High Purity Niobium EB Welded in
 Ultra-High Vacuum.
 Proc. of ISOHIM 2005, Uppsala/SE
 American Institute of Physics (AIP) (2006) 71

H. DELSIM-HASHEMI, O. GRIMM, B. SCHMIDT, P. SCHMÜSER
 Single-Shot Longitudinal Diagnostics with THz Radiation.
 Proc. of 37th ICFA Advanced Beam Dynamics Workshop on
 Future Light Sources, Hamburg/DE
 JACoW (2006) 1

B.J. HOLZER
 Lattice Design in High Energy Particle Accelerators.
 Proc. of CAS, Zeuthen/DE
 CERN (2006) 31, CERN 2006-002

R. SCHUHMANN, I. ZAGORODNOV, T. WEILAND
 A Simplified Conformal (SC) Method for Modeling Curved
 Boundaries in FDTD Without Time Step Reduction.
 Proc. of 2006 IEEE MTT-S, International Microwave Symposium,
 San Francisco/USA
 IEEE (2006) 177

W. SINGER
 Metallurgical and Technological Request for High Purity Niobium
 in SRF Application.
 Proc. of ISOHIM 2005, Uppsala/SE
 American Institute of Physics (AIP) (2006) 51

A. WINTER, F.Ö. ILDAY, O.D. MÜCKE, R. ELL, H. SCHLARB,
 P. SCHMÜSER, F.X. KÄRTNER
 Towards High-Performance Optical Master Oscillators for Energy
 Recovery Linacs.
 Proc. of ERL 2005, Newport News/USA
 Nucl. Instrum. Methods A 557 (2006) 304

K. WITTENBURG
Remote Diagnostics and Maintenance of Beam Instrumentation Devices.
Proc. of CARE-N3-HHH-ABI, Hirschberg/DE
ABI (2006) 1, CARE-Conf-05-044-HHH

H. WEISE
Neue Beschleunigertechnologien am Beispiel der Freie-Elektronen Laser VUV-FEL und XFEL.
A. WINTER, F.Ö. ILDAY, J. CHEN, F. LUDWIG, H. SCHLARB, P. SCHMÜSER, F. KÄRTNER
Femtosecond Optical Synchronization Systems for XFELs.

Vorträge

37th ICFA Advanced Beam Dynamics Workshop on Future Light Sources, Hamburg/DE (05/2006)

B. BEUTNER, M. DOHLUS, M. RÖHRS
Beam Dynamics Experiments and Analysis in FLASH on CSR and Space Charge Effects.

H. DELSIM-HASHEMI, B. SCHMIDT, O. GRIMM, P. SCHMUESER
Longitudinal Diagnostic Using THz Radiation.

G. GELONI, E. SALDIN, E. SCHNEIDMILLER, M.V. YURKOV
Statistical Optics and Partially Coherent X-Ray Beams in Third Generation Light Sources.

K.E. HACKER, N. BABOI, F. LÖHL, D. NÖLLE, H. SCHLARB
Chicane BPM Design and Expectations – Perpendicularly mounted strip-line for dispersive areas.

F. LÖHL, K.E. HACKER, F. LUDWIG, H. SCHLARB, B. SCHMIDT, A. WINTER
Compact Ultra-High Precision Beam Phase Monitor System.

M. RÖHRS, B. BEUTNER, A. BOLZMANN, C. GERTH, M. HÜNING, H. SCHLARB
Time-Resolved Measurements using the Transversely Deflecting RF-Structure LOLA at FLASH (DESY).

E. SALDIN, E. SCHNEIDMILLER, M.V. YURKOV
Attosecond Pulses in XFELs.

Operational Experience and Recent Results from FLASH.

H. SCHLARB, F.X. KÄRTNER, J. KIM, F. LÖHL, F. LUDWIG, S. SIMROCK, A. WINTER
Synchronization System for the XFEL.

A. WINTER, F.Ö. ILDAY, F.X. KÄRTNER, H. SCHLARB
Recent Developments and Layout of the Master Laser System for the VUV-FEL.

V.G. ZIEMANN, M. LARSSON, P. VAN DER MEULEN, E. SALDIN, H. SCHLARB, E. SCHNEIDMILLER, M.V. YURKOV
Status of the Optical Replica Synthesizer Project at DESY.

DPG2006, Dortmund/DE (03/2006)

H. DELSIM-HASHEMI, J. ROSSBACH, B. SCHMIDT, O. GRIMM, P. SCHMÜSER, A. V. G VAN DER MEER
Electron Bunch Length Diagnostics Using Broadband Single Shot Spectrometer.

F. LÖHL, K. HONKAVAARA
Messungen der Transversalen Emittanz am VUV-FEL.

EIFast, Hamburg/DE (05/2006)

S. CHOROBA
Overview RF System.

H.-J. ECKOLDT
Power Supplies for XFEL.

V. KATALEV
Waveguide Distribution for XFEL.

D. KOSTIN
Power Coupler Testing.

J. RANDHAHN
Driver Amplifier for 10MW Klystrons.

K. REHLICH
The XFEL Control System: Hardware.

The XFEL Control System: Software.

M. SEIDEL, T. WOHLENBERG
Warm Vacuum Systems.

K. ZAPFE
Cold Vacuum Issues.

EPAC'06, Edinburgh/UK (06/2006)

R. BACHER
The New Control System for the Future Low-Emittance Light Source PETRA 3 at DESY.

S. BRINKER, S.W. HERB, F.J. WILLEKE, T. LOHSE
A Tune Feedback System for the HERA Proton Storage Ring.

H. DELSIM-HASHEMI, O. GRIMM, A. VAN DER MEER, J. ROSSBACH, H. SCHLARB, B. SCHMIDT, P. SCHMÜSER
Bunch Compression Monitor.

F.E. EINTS, S. CHOROBA, M.G. HOFFMANN, U. HURDELBRINK, P.M. MOROZOV, J. RANDHAHN, S. Ruzin, S. SIMROCK
Control Path of Longitudinal Multibunch-feedback System at HERA-p.

F. FURUTA ET AL.
Experimental Comparison at KEK of High Gradient Performance Different Single Cell Superconducting Cavity Designs.

O. GRIMM, K. KLOSE, S. SCHREIBER
Double-pulse Generation with the FLASH Injector Laser for Pump/Probe Experiments.

O. GRIMM
Principles of Longitudinal Beam Diagnostics with Coherent Radiation.

K. HACKER, F. LÖHL, H. SCHLARB
Large Horizontal Aperture BPM for Use in Dispersive Sections of Magnetic Chicanes.

M. HOFFMANN, S. CHOROBA, F. EINTS, U. HURDELBRINK, P. MOROZOV, J. RANDHAHN, S. Ruzin, S. SIMROCK, E. VOGEL, R. WAGNER
The Longitudinal Coupled Bunch Feedback for HERA-p.

H. KAPITZA, P. GÖTTLICHER, N. HEIDBROOK, H. SCHLARB
FEL Disturbance by Ambient Magnetic Field Changes.

V.V. KATALEV, S. CHOROBA
Waveguide Distribution Systems for the European XFEL.

J. KEIL, O. KAUL, E. NEGODIN, R. NEUMANN
Design of a Local IP Orbit Feedback at HERA-e.

K. KNAACK, K. WITTENBURG, R. NEUBERT, S. NIETZSCHE, W. VODEL, A. PETERS
A New SQUID-based Measurement Tool for Characterization of Superconducting RF Cavities.

G. KUBE, F. WILLEKE
Direct Observation of Beam-Beam Induced Dynamical Beta Beating at HERA.

L. MONACO, P. MICHELATO, C. PAGANI, P. PIERINI, D. SERTORE, M. KRASILNIKOV, F. STEPHAN, J.H. HAN, S. SCHREIBER
Dark Current Investigation of TTF and PITZ RF Guns.

A. PAECH, W. ACKERMANN, T. WEILAND, O. GRIMM
Numerical Simulation of Synchrotron Radiation for Bunch Diagnostics.

M. PRICE ET AL.
Beam Profile Measurements with the 2-D Laser-Wire.

J. SEKUTOWICZ ET AL.
Nb-Pb Superconducting RF-Gun.

D. SERTORE, L. MONACO, P. MICHELATO, C. PAGANI, J.H. HAN, S. SCHREIBER
High QE Photocathodes at FLASH.

P. STRZYZEWSKI, J. LANGNER, M. SADOWSKI, J. WITKOWSKI, T. RAO, J. SMEDLEY, J. SEKUTOWICZ, R. RUSSO, S. TAZZARI
Deposition of Lead Thin Films Used as Photo-Cathodes by Means of Cathodic Arc under UHV Conditions.

R. WAGNER, A. BIENKOWSKI, S. CHOROBA, A. GAMP, T. GREVSMUEHL, G. MOELLER
Experience with the 208 MHz and 52 MHz RF Systems for the HERA Proton Accelerator.

S. WALSTON ET AL.
Performance of a Nanometer Resolution BPM System.

FEL2006, Berlin/DE (08/2006)

H. DELSIM-HASHEMI, B. SCHMIDT, J. ROSSBACH, O. GRIMM, P. SCHMÜSER, H. SCHLARB, A.V. G VAN DER MEER
Single-Shot Longitudinal Diagnostics with THz Radiation at the Free-Electron Laser FLASH.

K. HACKER, F. LOEHL, H. SCHLARB
Beam Pickup Designs Suited for an Optical Sampling Technique.

E.A. SCHNEIDMILLER, M.V. YURKOV FOR THE FLASH TEAM
Lasing at 13 nm of the SASE FEL at FLASH.

HB2006, Tsukuba/JP (05/2006)

K. HASEGAWA, S. HENDERSON, N.V. MOKHOV, R. SCHMIDT, M. TOMIZAWA, K. WITTENBURG
Beam Diagnostics, Collimation, Injection/Extraction, Targetry, Accidents and Commissioning: Working Group C&G Summary Report.

M. WERNER, K. WITTENBURG
Very Fast Beam Losses at HERA, and What Has Been Done About It.

K. WITTENBURG
Overview of Recent Halo Diagnosis and Non-destructive Beam Profile Monitoring.

LINAC06, Knoxville/USA (08/2006)

H.-J. ECKOLDT
Pulse Cables for XFEL Modulators.

L. FRÖHLICH ET AL.
First Operation of the FLASH Machine Protection System with Long Bunch Trains.

P. KNEISEL, G. CIOVATI, J. SEKUTOWICZ
Coaxial HOM Coupler Designs Tested on a Single-Cell Niobium Cavity.

M. KOLLEWE, K. FLÖTTMANN
Applications of Time-of-Flight Measurements at FLASH.

S. MOLLOY ET AL.
Using Higher Order Modes in Superconducting Accelerating Cavities for Beam Monitoring.

D. RESCHKE, A. BRINKMANN, J. IVERSEN, W. SINGER, X. SINGER, J. ZIEGLER
Status of the XFEL Testcavity Program.

J. SEKUTOWICZ
HOM Damping and Power Extraction from Superconducting Cavities.

W. SINGER, A. BRINKMANN, J. IVERSEN, G. KREPS, A. MATHEISEN, D. RESCHKE, X. SINGER
Large-Grain Superconducting RF Cavities at DESY.

H. WEISE
The TTF/VUV-FEL (FLASH) as the Prototype for the European XFEL Project.

A. WINTER, J. BECKER, F. LÖHL, K. REHLICH, S. SIMROCK, P. TEGE
An Integrated Optical Timing and RF Reference Distribution System for Large-Scale Linear Accelerators.

PCaPAC 2006, Newport News/USA (10/2006)

R. BACHER

The New Control System for the Future Low-Emittance Light Source PETRA 3 at DESY: From Conceptual Design Work to Realization.

P. BARTKIEWICZ, S. HERB

The Common Application Programming Interface for Fieldbus Related Projects at PETRA 3.

M. BIELER, A. BRINKMANN, U. ZOBJACK

User Requirements for the PETRA3 Control System at DESY.

P. DUVAL, H.G. WU

The ACOP Family of Beans.

Using the Common Device Interface in TINE.

S. HERB, P. DUVAL

Device Address Redirection as a Tool in the TINE Control System.

R. KAMMERING, V. KOCHARYAN, K. REHLICH, V. RYBNIKOV

DAQ based high level software applications using MATLAB.

A. LABUDDA

Building and Deploying Loosely Coupled Console Applications.

J. WILGEN

A Device Server Generator for Control Systems.

TTC, Tsukuba/JP (09/2006)

L. LILJE

ILC Short-Term R&D Issues: Cavity R&D Program.

D. RESCHKE

SRF Cavity Activities at DESY.

H. WEISE

Report from TTF/VUV-FEL (FLASH).

Status of the European XFEL Project.

Weitere Vorträge

N. BABOI, K. HACKER, F. LÖHL, H. SCHLARB

Large Horizontal Aperture BPM for Use in Dispersive Sections of Magnetic Chicanes.

4th CARE-N3-ABI workshop on Simulation of BPM front-end electronics and Special Mechanical Designs, Lüneburg/DE (11/2006)

N. BABOI

Using Higher Order Modes in the Superconducting TESLA Cavities for Diagnostics at FLASH at DESY.

Accelerator Physics Seminar, Darmstadt (GSI, Univ. Frankfurt)/DE (11/2006)

D.P. BARBER, M. VOGT

Spin Motion Near Snake Resonances. SPIN2006, Kyoto/JP (10/2006)

D.P. BARBER

Spin Dynamics for the Electron Ring.

Workshop on Future Prospects in QCD at High Energy, Brookhaven/USA (07/2006)

S. CHOROBA

High Power RF.

International School for Linear Colliders, Sodenkai, Hayama/JP (05/2006)

The RF System for the European XFEL.

IVEC 2006, Monterey/USA (04/2006)

XFEL RF System.

ILC GDE Meeting, Hamburg/DE (05/2006)

W. DECKING, J. ROSSBACH

New Results from FLASH.

NATO Advanced Research Workshop on Brilliant Light Facilities and Research in Life and Material Sciences, Yerevan/AM (07/2006)

W. DECKING

The European XFEL Project.

NATO Advanced Research Workshop on Brilliant Light Facilities and Research in Life and Material Sciences, Yerevan/AM (07/2006)

XFEL Beam Dynamics.

STI Review Meeting, Hamburg/DE (03/2006)

M. EBERT

Status of the RF-System for PETRA-3.

PETRA-III Review Meeting of the Machine Advisory Committee, Hamburg/DE (11/2006)

H. HERZOG, R. KLOS, H. LIERL, S. MOLNAR, B. PETERSEN, J. ROTHER, W. SCHROTH, M. STEPHAN

Upgrade of the Compressor System of the HERA Cryogenic Plant by the Use of Frequency Converter Power Supplies.

Cryoprague 2006, Prague/CZ (07/2006)

B.J. HOLZER

Introduction to Transverse Beam Dynamics.

CAS 2006, Zakopane/PL (10/2006)

Lecture Series: Transverse Beam Dynamics.

Post-Graduate Lecture Courses of the Cockcroft Institute, Daresbury/UK (04/2006)

P. KNEISEL, G. CIOVATI, G. MYNNENI, J. SEKUTOWICZ

Development of Large Grain/Single Crystal Niobium Cavity Technology at Jefferson Lab.

Single Crystal Niobium Technology Workshop, Araxa/BR (10/2006)

D. KOSTIN

Superconducting Linear Accelerators for the Sources of the Coherent Synchrotron Radiation.

Third International Scientific Seminar „Modern Methods of Diffraction Data Analysis (X-ray Topography, Diffractometry, Electron Microscopy)“, Veliky Novgorod/RU (05/2006)

A. LABANC

Simulation and Measurement of the TTF3 Input Coupler.

CST, Boppard/DE (03/2006)

J. LANGNER ET AL.
Progress in Use of Ultra-High Vacuum Cathodic Arcs For
Deposition of Thin Superconducting Layers.
22nd International Symposium on Discharges in Vacuum,
Matsue/JP (09/2006)

L. LILJE
ILC Main Linac Design Status.
LCWS06, Bangalore/IN (03/2006)

R&D Board Task Force on High Gradient SCRF Cavities.
VLCW06, Vancouver/CA (07/2006)

L.I. MALYSHEVA, D.P. BARBER, I.R. BAILEY, J.A. CLARKE,
D.J. SCOTT, J.B. DAITON, G.A. MOORTGAT-PICK
Depolarizing Effects at the ILC.
SPIN2006, Kyoto/JP (10/2006)

E.L. SALDIN, E.A. SCHNEIDMILLER, H. WEISE,
M.V. YURKOV FOR FLASH TEAM
Free Electron Laser as a Potential Source for EUV Lithography.
EUV Source Workshop, Barcelona/ES (10/2006)

M. SEIDEL
The Lepton Proton Collider HERA.
Seminarvortrag PSI, Villingen/CH (02/2006)

C. SIMON, S. CHEL, M. LUONG, O. NAPOLY, J. NOVO,
D. ROUDIER, N. BABOI, D. NOELLE, N. MILDNER,
N. ROUVIERE
High Resolution Re-entrant BPM for Linear Colliders.
4th CARE-N3-ABI workshop on Simulation of BPM front-end
electronics and Special Mechanical Designs, Lüneburg/DE
(11/2006)

W. SINGER, X. SINGER
Application of High Purity Niobium for European X-Ray Laser
Project XFEL.
47th General Assembly of Tantalum-Niobium International Study
Center, Innsbruck/AT (10/2006)

W. SINGER
Advances in Large Grain/Single Crystal SC Resonators at DESY.
CARE06 Annual Meeting, INFN-LNF, Frascati/IT (11/2006)

Large Grain/Single Crystal R&D at DESY.
Single Crystal Niobium Technology Workshop, Araxa/BR
(10/2006)

H. WEISE, E.L. SALDIN, E.A. SCHNEIDMILLER,
M.V. YURKOV
The European X-Ray Free-Electron Laser Project.
EUV Source Workshop, Barcelona/ES (10/2006)

H. WEISE
The European XFEL Project.
79th Plenary ECFA Meeting, Hamburg/DE (07/2006)

XFEL TDR – Accelerator Complex – Linear Accelerator.
STI Review Meeting, Hamburg/DE (03/2006)

S. WILKE
News of the PETRA-3 RF.
ESLS-RF 2006, Dortmund/DE (09/2006)

K. ZAPFE
Large Systems Commissioning.

Leak Detection.
CAS, Platja d'Aro/ES (05/2007)

Diplomarbeiten

A. ECKHARDT
Low Level RF Control for a Superconducting 3rd Harmonic
Accelerating Cavity.
Universität Hamburg (2006)

N. NGADA
Simulation von Modulatoren mit Pulskabeln unter besonderer
Beachtung des EMV-Verhaltens.
TU Hamburg-Harburg (2006)

H. SAHIN
Simulation der Kühlwasser Temperaturstabilität für die PETRA
Ringmagnete mit LabVIEW.
Hochschule für Angewandte Wissenschaften, Hamburg (2006)

Buchbeiträge

A. AGHABABYAN ET AL.
XFEL – The European X-Ray Free-Electron Laser – Technical
Design Report.
DESY (2006) ISBN 3-935702-17-5

E. KEIL, W. DECKING
Lattice Design and Simulation Codes.
Handbook of Accelerator Physics and Engineering
World Scientific (2006) ISBN 9810235005

Strahlenschutz

Preprints und Interne Berichte

P. BILSKI ET AL.
Complex Workplace Radiation Fields at European High-energy
Accelerators and Thermonuclear Fusion Facilities.
CERN-2006-007

N. TESCH
Ergebnisse von Strahlenschutzmessungen am DESY im Jahre
2005.
DESY D3-103

Vorträge

A. KLETT, A. LEUSCHNER
Pulsed Neutron Dose Monitoring – A New Approach.
2006 IEEE Nuclear Science Symposium (NSS), Medical Imaging
Conference (MIC) and 15th International Room Temperature
Semiconductor Detector Workshop, San Diego, California/USA
(10/2006)

S. VAN SMAALEN
Commensurate and incommensurate magnetic order in spin-Peierls
compounds TiOCl and TiOBr.
APERIODIC 2006, Zao, Miyagi/JP (09/2006)