

Beschleuniger

Veröffentlichungen

Yu.N. ADISHCHEV, A.V. VUKOLOV, D.V. KARLOVETS,
A.P. POTYLITSYN, G. KUBE
Monochromaticity of the Smith-Purcell Optical Radiation
Generated by a 75-keV Electron Beam.
JETP Lett. 82 (2005) 174

V. AYVAZYAN et al.
First Operation of a Free-Electron Laser Generating GW Power
Radiation at 32 nm Wavelength.
Eur. Phys. J. D37 (2005) 297

M. BACAL, A. HATAYAMA, J. PETERS
Volume Production Negative Hydrogen Ion Sources.
IEEE TPS, 33, No. 6, Part 1 (2005) 1845

D.P. BARBER, J.A. ELLISON, K. HEINEMANN
Reply to Comment on Quasiperiodic Spin-Orbit Motion and Spin
Tunes in Storage Rings.
Phys. Rev. ST-AB 8 (2005) 089002

D.P. BARBER, M. VOGT, R. JAGANATHAN
Spin Tune in the Single Resonance Model with a Pair of Siberian
Snakes.
DESY 05-035 und physics/0502121

S. CASALBUONI, A.E. KNABBE, J. KÖTZLER, L. LILJE,
L. v. SAWILSKI, P. SCHMÜSER, B. STEFFEN
Surface Superconductivity in Niobium for Superconducting
Cavities.
Nucl. Instrum. Meth. A 538 (2005) 45

L. CATANI, A. CIANCHI, G. DI PIRRO, K. HONKAVAARA
A Large Distributed Digital Camera System for Accelerator Beam
Diagnostics.
Rev. of Scientific Instruments 76 (2005) 073303

T. CZARSKI, K.T. POZNIAK, R.S. ROMANIUK, S. SIMROCK
Cavity Parameters Identifikation for TESLA Control System
Development.
Zur Veröffentl. in Nucl. Instrum. Meth. A (2005)

G. GELONI, E.L. SALDIN, E.A. SCHNEIDMILLER,
M.V. YURKOV
Theory of Space-Charge Waves on Gradient-Profile Relativistic
Electron Beam: An Analysis in Propagating Eigenmodes.
Nucl. Instrum. Meth. A554 (2005) 20

Paraxial Green's Functions in Synchrotron Radiation Theory.
DESY 05-032 und physics/0502120

Understanding Transverse Coherence Properties of X-Ray Beams
in Third Generation Synchrotron Radiation Sources.
DESY 05-109 und physics/0506231

Exact Solution for the Second Harmonic Generation in XFELs.
DESY 05-137 und physics/0508046

M. HOFFMANN
A Longitudinal Coupled Bunch Feedback for HERA-p.
ICFA Beam Dynamics Newsletter No. 37 (2005) 109

G. KUBE
Calculation of Smith-Purcell Radiation from a Volume Strip
Grating.
Nucl. Instrum. Meth. B227 (2005) 180

J. LANGNER, R. MIROWSKI, M.J. SADOWSKI,
P. STRYZEWSKI, J. WITKOWSKI, S. TAZZARI, L. CATANI,
A. CIANCHI, J. LORKIEWICZ, R. RUSSO, F. TAZZIOLI,
D. PROCH
Research on Deposition of Thin Superconducting Films for RF
Accelerator Cavities.
Elektronika, Vol. 50, Nos 7 (2005) 6

J. LANGNER, M.J. SADOWSKI, K. CZAUS, R. MIROWSKI,
J. WITKOWSKI, L. CATANI, A. CIANCHI, R. RUSSO,
S. TAZZARI, F. TAZZIOLI, D. PROCH, N.N. KOVAL,
Y.H. AKHMADEEV
Superconducting Niobium Films Produced by Means of UHV Arc.
CARE-Pub-04-004 (2005)

D.P. MOEHS, J. PETERS, J. SHERMAN
Negative Hydrogen Ion Sources for Accelerators.
IEEE TPS, 33, No. 6, Part 1 (2005) 1786,
Special Issue on Ion Sources.

G. MOORTGAT-PICK et al.
The Role of Polarized Positrons and Electrons in Revealing
Fundamental Interactions at the Linear Collider.
DESY-05-059 und hep-ph/0507011

B. MUKHERJEE, D. MAKOWSKI, S. SIMROCK
Dosimetry of High Energy Electron Linac Produced Photoneutrons
and the Bremsstrahlung Gamma Rays Using TLD-500 and
TLD-700 Dosimeter Pairs.
Zur Veröffentl. in Nucl. Instrum. Meth. A (2005)

E.L. SALDIN, E.A. SCHNEIDMILLER, M.V. YURKOV
A Simple Method for the Determination of the Structure of
Ultrashort Relativistic Electron Bunches.
Nucl. Instrum. Meth. A539 (2005) 499

Properties of the Odd Harmonics of the Radiation from SASE FEL
with a Planar Undulator.
DESY 05-164, physics/0509164, zur Veröffentl. in Opt.Commun.

Statistical Properties of the Radiation from VUV FEL at DESY Operating at 30 nm Wavelength in the Femtosecond Regime. DESY 05-239, physics/0511234, zur Veröffentlich. in Nucl. Instrum. Meth. A

J. SEKUTOWICZ et al.
Proposed Continuous Wave Energy Recovery Operation of an X-Ray Free Electron Laser.
Phys. Rev. ST-AB, 8 (2005) 010701

Veröffentlichte Vorträge

Proc. of the 2005 Particle Accelerator Conference (PAC2005), Knoxville/US,(2005)

V. AYVAZIAN, G. PETROSYAN, K. REHLICH, S. SIMROCK, P. VETROV
RF Control System for the DESY VUV-FEL Linac.

K. BALEWSKI, R. WANZENBERG
The Impedance of Selected Components of the Synchrotron Light Source PETRA III.

D.P. BARBER et al.
The eRHIC Ring-Ring Collider Design.
Development of a Superconducting Helical Undulator for a Polarised Positron Source.

I. BEN-ZVI et al.
Electron Cooling of RHIC.

J. CARTER et al.
Beam Profile Measurements and Simulations of the PETRA Laser Wire.

Y.H. CHIN, A. YANO, S. MIYAKE, S. CHORоба.
Development of Toshiba L-Band Multi-Beam Klystron for European XFEL Project.

G. CIOVATI, P. KNEISEL, J. SEKUTOWICZ, W. SINGER
Effects of Electric and Magnetic Fields on the Performance of a Superconducting Cavity.

M. EBERT, F.-R. ULLRICH
Glycol Substitute for High Power RF Waterloads.

Ch. GERTH, M. RÖHRS, H. SCHLARB
Layout of the Diagnostic Section for the European XFEL.

R.M. JONES, N. BABOI
Emittance Dilution due to Many-Band Long-Range Dipole Wakefields in the International Linear Collider Main Linacs.

P. KNEISEL, G. CIOVATI, G. MYNENI, J. SEKUTOWICZ, T. CARNEIRO

Preliminary Results from Single Crystal and Very Large Crystal Niobium Cavities.

P. KNEISEL, G. CIOVATI, G. WU, J. SEKUTOWICZ
Testing of HOM Coupler Designs on a Single Cell Niobium Cavity.

P. KNEISEL, G. MYNENI, D. PROCH, W. SINGER, X. SINGER, T. CARNEIRO
Influence of Ta Content in High Purity Niobium on Cavity Performance.

P. KNEISEL, J. SEKUTOWICZ, A. LIPSKI
Preliminary Results from a Superconducting Photocathode Sample Cavity.

B. KRAUSE
Magnets for the DESY Accelerators HERA-TTF-PETRA-XFEL.

L. LILJE
Experience with TTF II.

T. LIMBERG, V. BALANDIN, R. BRINKMANN, W. DECKING, M. DOHLUS, K. FLÖTTMANN, N. GOLUBEVA, Y. KIM, E. SCHNEIDMILLER
Optimized Bunch Compression System for the European XFEL.

T. LIMBERG, M. DOHLUS
Impact of Optics on CSR-Related Emittance Growth in Bunch Compressor Chicanes.

A. MATHEISEN, H. MORALES, B. PETERSEN, M. SCHMOEKEL, N. STEINHAU-KUEHL
Electro-Polishing Surface Preparation for High Gradient Cavities at DESY.

J. PETERS
The HERA Volume H⁻ Source.

P. PIOT, M. DOHLUS, K. FLÖTTMANN, M. MARX, S.G. WIPF
Steering and Focusing Effects in TESLA Cavity due to High Order Mode and Input Couplers.

M. PIVI, T. RAUBENHEIMER, A. GHALAM, K. HARKAY, K. OHMI, R. WANZENBERG, A. WOLSKI, F. ZIMMERMANN
Single Bunch Instability Driven by the Electron Cloud Effect in the Positron Damping Ring of the International Linear Collider.

J. RATHKE, A. AMBROSIO, M. COLE, E. PETERSON, T. SCHULTHEISS, H. BLUEM, A. MURRAY, M. TODD, I. CAMPISI, E. DALY, J. HOGAN, J. MAMMOSSER, G.R. NEIL, J. PREBLE, R. RIMMER, C. RODE, T. WHITLATCH, M. WISEMAN, J. SEKUTOWICZ
Design and Fabrication of an FEL Injector Cryomodule.

M. ROSS et al.
Cavity Alignment Using Beam Induced Higher Order Modes Signals in the TTF Linac.

M. SEIDEL
The Vacuum System for PETRA III.

J. SEKUTOWICZ, I. GONIN, T. KHABIBOULINE, N. SOLYAK, P. KNEISEL, Y. MOROZUMI, K. SAITO, K. KO, L. LEE, Z. LI, C. NG, L. XIAO
Design of a Low Loss SRF Cavity for ILC.

S. SIMROCK
Digital Low-Level RF Controls for Future Superconducting Linear Colliders.

J. SMEDLEY, T. RAO, J. SEKUTOWICZ, P. KNEISEL, R. LEFFERTS, A. LIPSKI
Progress on Lead Photocathodes for Superconducting Injectors.

N. STEINHAU-KUEHL, A. MATHEISEN, B. MEYER, B. PETERSEN, M. SCHMOEKEL
Quality Control of the Electro Polishing Process at DESY.

M. TISCHER, K. BALEWSKI, W. DECKING, M. SEIDEL, Y.-J. LI, V. KUZMINYKH, E. LEVICHEV, P. VOBLIYI, K. ZOLOTAREV
Damping Wigglers for the PETRA III Light Source.

A. TODD et al.
State-of-the-Art Electron Guns and Injector Designs for Energy Recovery Linacs.

C. STEIER, D. ROBIN, W. DECKING, J. LASKAR, L.S. NADOLSKI, Y.K. WU
Measuring and Understanding the Momentum Aperture in a Storage Ring.

Proc. of the 27th International Free Electron Laser Conference FEL 2005, Menlo Park/USA (2005)

W. DECKING
Accelerator Layout and Physics of X-Ray Free-Electron Lasers.

M. DOHLUS, T. LIMBERG
Bunch Compression Stability Dependence on RF Parameters.

L. FRÖHLICH, O. GRIMM
Bunch Length Measurements Using a Martin-Puplett Interferometer at the VUV-FEL.

G. GELONI, E.L. SALDIN, E.A. SCHNEIDMILLER, M.V. YURKOV
Misconceptions Regarding Second Harmonic Generation in X-ray Free-Electron Lasers.

O. GRIMM, H. DELSIM-HASHEMI, L. FRÖHLICH, E. CHIADRONI
Detector Response and Beam Line Transmission Measurements with Far-Infrared Radiation.

O. GRIMM, O. KOZLOV, E. PLOENJES, J. ROSSBACH, E.L. SALDIN, E.A. SCHNEIDMILLER, M.V. YURKOV
The Infrared Undulator Project at the VUV-FEL.

K. HONKAVAARA
Electron Beam Characterization at PITS and the VUV-FEL at DESY.

K. HONKAVAARA, F.LÖHL, D. NÖLLE, S. SCHREIBER, E. SOMBROWSKI, M. SACHWITZ, M. CASTELLANO, G. DI PIRRO, L. CATANI, A. CIANCHI
Transverse Electron Beam Diagnostics at the VUV-FEL at DESY.

K. HONKAVAARA, F. LOEHL, M. SACHWITZ, E. SOMBROWSKI, D. NOELLE, S. SCHREIBER, L. CATANI, A. CIANCHI, M. CASTELLANO, G. DI PIRRO
Electron Beam Characterisation at PITS and the VUV-FEL at DESY.

M. HÜNING, A. BOLZMANN, H. SCHLARB, J.C. FRISCH, D.J. McCORMICK, M.C. ROSS, T.J. SMITH, J. ROSSBACH
Observation of Femtosecond Bunch Length Using a Transverse Deflecting Structure.

M. ROEHRS, A. BOLZMANN, M. HÜNING, H. SCHLARB, K. HONKAVAARA
Measurement of Slice-Emittance Using Transverse Deflecting Structure.

E.L. SALDIN, E.A. SCHNEIDMILLER, M.V. YURKOV
Properties of the Radiation from VUV-FEL at DESY (Femtosecond Mode of Operation).
Properties of the Third Harmonic of the SASE FEL Radiation.
Influence of an Energy Chirp on SASE FEL Operation.

H. SCHLARB, V. AYVAZIAN, F. LUDWIG, D. NOELLE, B. SCHMIDT, S. SIMROCK, F.X. KAERTNER, A. WINTER
Next Generation Synchronization System for the VUV-FEL at DESY.

S. SCHREIBER
First Lasing at 32 nm of the VUV-FEL at DESY.

Proc. of the Beschleuniger-Betriebsseminar, Grömitz/DE (2005)

V. AYVAZIAN
LLRF System für TTF

P. CASTRO
Beam-Based Alignment.

M. EBERT

Erfolgreiche Reparatur eines 500-MHz Klystrons.

F. EINTS, J. RANDHAHN, S. CHORоба, M. DOHLUS,
M. EBERT, N. MILDNER, P. MOROZOV, S. SIMROCK,
R. WAGNER, M. HOFFMANN

Control Path of Multibunch Feedback System at HERA-p.

G. GRYGIEL, M. BÖHNERT, J. THOMAS
TCP/IP Based PLC Connections to DOOCS.

O. HENSLER, E. SOMBROWSKI, A. PETROSYAN, P. TEGE
New DOOCS TOOLs for VUV-FEL Based on Java.

M. HOFFMANN

Ein breitbandiges longitudinales Dämpfungssystem für HERA-p.
Longitudinales Multibunch Dämpfungssystem für HERA-p.

K. HONKAVAARA

Messungen des transversalen Phasenraums beim VUV-FEL.

M. HÜNING

Linac Betrieb 2005.

J. KEIL

HERA Betrieb 2005.
HERA Orbitstabilisierung.

T. LENSCH

Petra-3 Machine Protection System.

F. MASCHESKI

Neuer Klystronschutz für die 500 MHz HERA Sender.

R. ONKEN

DORIS Betrieb 2005.

J. RANDHAHN, F. EINTS, S. CHORоба, M. DOHLUS,
M. EBERT, N. MILDNER, P. MOROZOV, S. SIMROCK,
R. WAGNER, M. HOFFMANN

Kicker Cavity for Multibunch Feedback System at HERA-p.

K. REHLICH

The TTF VUV-FEL Control System: DOOCS.

S. SCHREIBER

TTF Betrieb und Availability.

S. SIMROCK

LLRF System für XFEL.

M. STAACK

Machine Protection System @ VUV-FEL.

H. TIMM, F.-R. KAISER

Die TTF Modulatoren und Klystrons.

R. WAGNER

P-HF Systeme.

S. WILKE

PETRA II, Bericht über den Betrieb 2005.

**Proc. of Photonics Application in Industry and Research IV,
Warschau/PL (2005)**

K. CZUBA, F. EINTS, M. FELBER, S. SIMROCK

Fiber-Optic Link for the RF Phase Reference Distribution System
for the XFEL and TESLA Projects.

A. GAMP

The VUV-FEL User Facility at DESY.

W. GIERGUSIEWICZ, W. JALMUZNA, K. POZNIAK,
N. IGNASHIN, M. GRECKI, D. MAKOWSKI, T. JEZYNSKI,
K. PERKUSZEWSKI, K. CZUBA, S. SIMROCK

Low Latency Control Board for LLR System - Simcon 3.1.

Frequency Conversion in Field Stabilization System for
Application in SC Cavity of Linear Accelerator.

W. GIERGUSIEWICZ, K. KIERZKOWSKI, K.T. POZNIAK,
R.S. ROMANIUK

FPGA Based LLRF Control Module for X-Ray Free Electron
Laser and TESLA Feedback System.

W. KOPREK, P. KALETA, J. SZEWINSKI, K.T. POZNIAK,
T. CZARSKI, R.S. ROMANIUK

Software Layer for FPGA-Based TESLA Cavity Control System.

J. LANGNER, L. CATANI, A. CIANCHI, R. MIROWSKI,
J. LORKIEWICZ, D. PROCH, R. RUSSO, M.J. SADOWSKI,
P. STRZYZEWSKI, S. TAZZARI, J. WITKOWSKI

Thin Superconducting Niobium-Coatings for RF Accelerator
Cavities: Progress in CARE-JRA1-WP4.

D. MAKOWSKI, B. MUKHERJEE, M. GRECKI, S. SIMROCK
SEE Induced in SRAM Operating in a Superconducting Electron
Linear Accelerator Environment.

K.T. POZNIAK, T. CZARSKI, R.S. ROMANIUK

FPGA based Cavity Simulator and Controller for TESLA Test
Facility.

K.T. POZNIAK, R.S. ROMANIUK, T. CZARSKI,
W. GIERGUSIEWICZ, W. JALMUZNA, K. OLOWSKI,
K. PERKUSZEWSKI, S. SIMROCK

FPGA and Optical Network Based LLRF Distributed Control
System for TESLA-XFEL Linear Accelerator.

D. PROCH

ILC Perspectives.

P. PUCYK, T. JEZINSKI, W. KOPREK, T. CZARSKI,
K.T. POZNIAK, R.S. ROMANIUK
DOOCS Server and Client Application for FPGA Based TESLA
Cavity Controller and Simulator.

P. ROSZKOWSKI, W.M. ZABOLOTNY, K. KIERZKOWSKI,
K. POZNIAK, R. ROMANIUK, S. SIMROCK
Prototype Implementation of the Embedded PC based Control and
DAQ Module for TESLA Cavity SIMCON.

D.K. RYBKA, A. KALICKI, K. POZNIAK, R. ROMANIUK,
B. MUKHERJEE, S. SIMROCK
Irradiation Investigations for TESLA and X-FEL Experiments at
DESY.

S. SIMROCK
Recent Developments in Superconducting Cavity RF Control.

Proc. of the LLRF 05 Workshop, Genf/CH (2005)

V. AYVAZYAN
Digital Low Level RF Control System for the DESY TTF
VUV-FEL Linac.

K. CZUBA
The Phase Reference Distribution System for the TESLA
Technology Based Projects.

M. HOFFMANN
Automation of Large Scale RF Systems.

F. LUDWIG
Precision Low-Noise Field Detectors.

G. MÖLLER
Multichannel Down-Converter Board for Cavity Field Detection at
the TESLA Test Facility.

H. SCHLARB
Beam Based Feedback for Control.

S. SIMROCK
Tutorial on Optimal Controller.

Proc. of the 7th Workshop on Beam Diagnostics and Instrumentation for Particle Accelerators, DIPAC 2005, Lyon/FR (2005)

N. BABOI et al.
Optimization of Beam Injection into the First Accelerating Mode
at TTF with Cavity Dipole Mode Signals.

P. CASTRO, H.-J. GRABOSCH, U. HAHN, M. SACHWITZ,
H. THOM
Wire Scanners in the Undulator Section of the VUV-FEL at DESY.

W. GOETTMANN, M. KÖRFER, J. KUHNHENN, F. WULF
Beam Loss Position Monitor Using Cerenkov Radiation in Optical
Fibers.

K. HONKAVAARA, F. LÖHL, Y. KIM
Measurements of Transverse Emittance at the TTF VUV-FEL.

G. KUBE, R. FISCHER, Ch. WIEBERS, K. WITTENBURG
Detailed Resolution Studies of the Synchrotron Radiation Profile
Monitor for the HERA Electron Beam.

P. PAWLIK, M. GRECKI, S. SIMROCK
Single Bunch Transient Detection for the Beam Phase
Measurement in Superconducting Accelerators.

Proc. of the 12th Mixed Design on Integrated Circuits and Systems, MIXDES, Krakau/PL (2005)

A. GAMP
From the TESLA Test Facility at DESY to the VUV-FEL User
Facility.

M. GRECKI, T. JEZYNSKI, A. BRANDT
Estimation of IQ Vector Components of RF Field - Theory and
Implementation.

T. JEZYNSKI, M. GRECKI
A Performance Degradation of the Low Level RF Control System
for VUV-FEL.

D. MAKOWSKI, M. GRECKI, B. MUKHERJEE, S. SIMROCK,
B. SWIERCZ
Radiation Tolerant System for Neutron Fluence Measurement.

B. MUKHERJEE, D. MAKOWSKI, A. KALICKI, D. RYBKA,
M. GRECKI, S. SIMROCK
A Neutron Irradiation Device for the Testing of Microelectronic
Components to be Used in the Radiation Environment of
High-Energy Particle Accelerators at DESY.

B. MUKHERJEE, D. MAKOWSKI, D. RYBKA, M. GRECKI,
S. SIMROCK
Interpretation of the Single Event Upset in Static Random Access
Memory Chips.

P. PAWLIK, M. GRECKI, S. SIMROCK
System for High Resolution Detection of Beam Induced Transients
in RF Signals.

P. SEKALSKI, M. GRECKI, C. ALBRECHT
Performance of Magnetostrictive Elements at LHe Environment.

Proc. of the 12th Workshop on RF Superconductivity (SRF 2005), Cornell Univ., Ithaca/USA (2005)

A. BRINKMANN, J. IVERSEN, D. RESCHKE, J. ZIEGLER
Further Improvement with Dry-Ice Cleaning on SRF Cavities.

J.A. DAMMANN, J. BURGER, L. HAGGE, J. IVERSEN,
A. MATHEISEN, W. SINGER
Towards Industrialization: Supporting the Manufacturing
Processes of Superconducting Cavities at DESY.

A. DANGWAL
DC Field Emission Measurements.

A. DANGWAL, G. MÜLLER, D. RESCHKE
DC Field Emission Scanning Measurements on Electropolished
Niobium Samples.

P.D. GALL, A. GOESSEL, V. GUBAREV, J. IVERSEN
A Database for Superconducting Cavities for the TESLA Test
Facility, zur Veröffentlich. in Physica C

J. IVERSEN, P.D. GALL, D. RESCHKE, W. SINGER,
J. TIESSEN
Single Cell Cavity Program for the XFEL.

P. KNEISEL, G. MYNENI, G. CIOVATI, J. SEKUTOWICZ,
T. CARNEIRO
Performance of Large Grain and Single Cell Crystal Niobium
Cavities.

N. KRUPKA, K. ESCHERICH, M. HABERMANN,
K. HARRIES, A. MATHEISEN, B. PETERSEN
Quality Control Update of the Cleanroom for Superconducting
Multi Cell Cavities at DESY.

L. LILJE
Experience with TTF.
Electropolishing of Niobium Mono-Cell Cavities at Henkel
Electropolishing Technology Ltd. (Germany).

A. MATHEISEN, B. v.d. HORST, B. PETERSEN,
S. SÄGEBARTH, P. SCHILLING
Preparation Sequences for Electro-Polished High Gradient
Multi-Cell Cavities at DESY.

N. MILDNER, M. DOHLUS, J. SEKUTOWICZ, K. ZAPFE
Beam Line HOM Absorber for the European XFEL Linac.

W.-D. MÖLLER
High Power Input Couplers for Superconducting Cavities - a
Tutorial.

Y. MOROZUMI, T. HIGO, K. SAITO, F. FUTURA, Y. HIGASHI,
T. SAEKI, H. YAMAOKA, J. SEKUTOWICZ, K. KO
Design and Analysis of 45 MV/M Superconducting Structure.

D. PROCH
Report on SRF Activities.

D. RESCHKE
Cleanliness Techniques.

T. SAEKI, F. FUTURA, K. SAITO, H. INOUE, Y. MOROZUMI,
Y. HIGASHI, T. HIGO, H. YAMAOKA, K. UENO, Y. SOHN,
J. SEKUTOWICZ, K. KO
Fabrication of Four 9-Cell Ihciro High-Gradient Cavities for the
R&D of ILC Accelerator in KEK.

K. SAITO, T. SAEKI, F. FUTURA, Y. MOROZUMI,
Y. HIGASHI, T. HIGO, H. YAMAOKA, H. MATSUMOTO,
S. KAZAKOV, K. ENAMI, K. UENO, N. TOGE, Y. SOHN,
J. SEKUTOWICZ, K. KO
R&D Activities for ILC High Gradient Cavity in KEK.

W. SINGER
Seamless/Bonded Niobium Cavities.

X. SINGER, A. BRINKMANN, H.-G. BROKMEIER,
J. IVERSEN, P. KNEISEL, G.R. MYNENI, E. SCHULZ,
W. SINGER
Investigation of Ingot Material with Large Grain for Cavities.

W. SINGER, A. BRINKMANN, F. SCHOELZ, A. FARR,
E. WAPPLER, M. MUECK
SQUID-Based Scanning System for Detecting Defects in Nb
Sheets for RF Cavities.

N. STEINHAU-KÜHL, A. MATHEISEN, L. LILJE,
B. PETERSEN, M. SCHMÖKEL, H. WEITKÄMPER
Update on the Experiences of Electro Polishing of Multi-Cell
Resonators at DESY.

**Proc. of the 5th International Workshop on Personal
Computers and Particle Accelerator Controls (PCaPAC2005),
Hayama/JP (2005)**

R. BACHER, P. DUVAL, S. HERB, U. LAUSTRÖER,
R. SCHMITZ, W. SCHÜTTE
The Conceptual Design of the Control System for the Future
Low-Emittance Light Source PETRA III at DESY.

R. BACHER, P. DUVAL, H. WU
Common Device Access for Accelerator Controls.

P.K. BARTKIEWICZ, P. DUVAL, S.W. HERB
Automatic Console Screen Management for Accelerator Control
Room Applications.

P. DUVAL, M. CLAUSEN, Z. KAKUCS
EPICS to TINE Translator Release 2.0.

P. DUVAL, U. LAUSTRÖER, R. SCHMITZ
Fault Identification in Accelerator Control.

P. DUVAL, J. WILGEN
Writing TINE Servers in Java.

H. EHRLICHMANN
The Users' Perspective.

G. GRYGIEL, M. BÖHNERT
TCP/IP Based PLC Connection to DOOCS.

R. KAMMERING, O. HENSLER, A. PETROSYAN,
K. REHLICH
The Electronic Logbook @ the TTF VUV-FEL – Making the Next
Step.

H. KELLER, O. HENSLER
Experience with the Data Archiver in DOOCS.

V. KOCHARYAN, K. REHLICH
WDOOCS: Porting DOOCS to Windows PC.
WDOOCS: FireWire Cameras Support for DOOCS.

M. KOLLEWE, V. RYBNIKOV
Orbit Data Processing Using the Data Acquisition System DAQ at
the TTF VUV-FEL.

J. MAASS, S.W. HERB, P.K. BARTKIEWICZ
Automation and Stabilisation of HERA Operation.

G. PETROSYAN, V. AYVAZIAN, K. REHLICH,
S.N. SIMROCK, P. VETROV
Hardware and Software Design for the DSP Based LLRF Control.

V. PETROSYAN, S. WEISSE, H. LEICH, T. GREVSMUEHL,
P. DUVAL
An Advanced Klystron Interlock Solution Based on NIOS-II
Processor.

K. REHLICH
Status of the TTF VUV-FEL Control System.

V. RYBNIKOV, A. AGABABYAN, G. GRYGIEL,
B. FOMINYKH, O. HENSLER, R. KAMMERING,
K. REHLICH, L. PETROSYAN, A. ASOVA, G. DIMITROV,
G. TROWITZSCH, M. WINDE, T. WILKSEN
Data Acquisition System for VUV-FEL Linac.

E. SOMBROWSKI, V. RYBNIKOV, O. HENSLER, K. REHLICH
Wire Scanner Control and Display Software.

R. BACHER
MVL - A Tool to Enhance Accelerator Availability.
ILC Mini-Workshop "Design for High Availability"
Grömitz/DE (2005)

R. BACHER, M. SEEBACH
Virtual Instrumentation Integration into the MVL Framework.
GANMVL-Workshop, Frascati/IT (2005)

MVL-Supported Virtual Instrument Specifications.
GANMVL-Workshop, Hamburg/DE (2005)

IVI-Standard Based Virtual Instrument Integration.
GANMVL-Workshop, Trieste/IT (2005)

Existing Industrial Solutions and Virtual Instrumentation
Integration into GANMVL.
High Energy High Intensity Hadron Beams: Novel Methods for
Beam Instrumentation Workshop, Hirschberg/DE (2005)

G. BASSI, T. AGOH, M. DOHLUS, L. GIANNESI, R. HAJIMA,
A. KABEL, T. LIMBERG, M. QUATTOMINI
Overview of CSR Codes.
32nd Advanced ICFA Beam Dynamics Workshop on Energy
Recovering Linacs (ERL 2005), Newport News/USA, Nucl.
Instrum. Meth. A557 (2005) 189

M. BIELER
The HERA Turn Around Time.
Superconducting Quadrupols inside the HERA Experiments.
2nd CARE-HHH-APD Workshop on Scenarios for the LHC
Luminosity Upgrade, Arcidoso/IT (2005)

Y. BOZHKO, H. LIERL, B. PETERSEN, D. SELLMANN,
A. ZOLOTOV
Requirements for the Cryogenic Supply of the European
XFEL-Project at DESY
Proc. of the CEC/ICMC, Keystone/USA (2005), zur Veröffentl. in
Advances of Cryogenic Engineering, Vol.51

P. DUVAL, M. LOMPERSKI
Availability Statistics using TINE Central Server.
ILC Mini-Workshop "Design for High Availability"
Grömitz/DE (2005)

M. FERRARIO, W.D. MOELLER, J.B. ROSENZWEIG,
J. SEKUTOWICZ, G. TRAVISH
Optimization and Beam Dynamics of an SRF Gun.
ICFA Workshop on Energy Recovery Linac, Newport News/USA
(2005)

On the Preference of Cold RF Technology for the International
Linear Collider.

Proc. of the 7th International High Density and High Power RF
Workshop, Kalamata/GR (200) und DESY-TESLA 2005-23

V. GHARIBYAN, N. MEYNER, P. SCHÜLER

Upstream Polarimetry with 4-Magnet Chicane.

Proc. of LCWS 2005, Stanford/USA (2005)

M. GRECKI, A. NAPIERALSKI, S. SIMROCK,
B. MUKHERJEE

A Distributed System for Radiation Monitoring at Linear Accelerators.

RADIATION and its Effects on Component and Systems RADECS, Cap d'Agde/FR (2005)

H. HENSCHL, M. KÖRFER, J. KUHNHENN, U. WEINAND,
F. WULF

Fiber Optic Sensor Solutions for Particle Accelerators.

Optical Fiber Sensors Conference (OFS 17), Bruges/BE (2005)

S. HERB

Accelerator Control System Simulation.

ILC Mini-Workshop "Design for High Availability"

Grömitz/DE (2005)

J. LANGNER, L. CATANI, A. CIANCHI, R. MIROWSKI,
J. LORKIEWICZ, D. PROCH, R. RUSSO, M.J. SADOWSKI,
P. STRZYZEWSKI, S. TAZZARI, J. WITKOWSKI

Research on the Use of UHV Arc Discharges for Deposition of Superconducting Layers.

Internatl. Conf. PLASMA-2005, Opole/PL (2005)

H. LEICH, S. CHOROBA, P. DUVAL, T. GREVSMÜHL,
V. PETROSYAN, S. WEISSE, R. WENNDORFF

An Advanced Interlock Solution for TTF2/XFEL RF Stations.

Proc. 14th IEEE NPSS Real Time Conference, Stockholm/SE (2005)

H. LEICH, S. CHOROBA, P. DUVAL, T. GREVSMÜHL,
A. KRETZSCHMANN, U. SCHWENDICKE, R. WENNDORFF

The Design of a Technical Interlock for TTF2/XFEL RF Stations.

Proc. of NEC 2005, 20th International Symposium on Nuclear Electronics & Computing, Dubna/RU (2005)

H. LIERL for the Plan-Approval Group at DESY

The Planning of the Cryogenic Supply Infrastructure for the Superconducting Cavities of the European XFEL Linear Accelerator.

Proc. of the CEC/ICMC, Keystone/USA (2005), zur Veröffentl. in Advances of Cryogenic Engineering, Vol. 51

D. MAKOWSKI, M. GRECKI, B. MUKHERJEE, S. SIMROCK,
B. SWIERCZ, A. NAPIERALSKI

The Application of SRAM Chip as a Novel Neutron Detector.

NSTI Nanotechnology Conference and Trade Show Nanotech 2005, Anaheim/USA (2005)

J. PETERS

New Developments in RF-Driven Multicusp H^- Ion Sources.

Rev. Sci. Instrum. (2005), 11th International Conference on Ion Sources (ICIS 05), Caen/FR (2005)

B. PETERSEN

Some Aspects of the Layout and Optimization for the Cryogenic Supply of Superconducting Linacs.

Proc. of the 32nd ICFA Beam Dynamics Workshops on Energy Recovering Linacs ERL2005, Newport News/USA (2005) and Nucl. Instrum. Meth. A (2005)

K. REHLICH, A. AGABABYAN, A. ASOVA, G. DIMITROV,
G. GRYGIEL, B. FOMINYKH, O. HENSLER,

R. KAMMERING, L. PETROSYAN, V. RYBNIKOV,

G. TROWITZSCH, M. WINDE, T. WILKSE

Integrating a Fast Data Acquisition System into the DOOCS Control System.

Proc. of the 10th International Conference on Accelerator and Large Experimental Physics control Systems (ICALEPCS 2005), Geneva/CH (2005)

K. REHLICH

GAN-MVL Overall Architecture.

Workshop on Remote Diagnostics and Maintenance of Beam Instrumentation Devices, Hirschberg/DE (2005)

K. REHLICH, D. SERTORE

Experience with Remote Operations at the TTF VUV-FEL.

Workshop on Accelerator Operations, 2005, Fermilab/USA (2005)

J. SEKUTOWICZ

Superconducting Photo-Injectors: An Overview.

ICFA Workshop on the Physics and Application of High Brightness Electron Beams, Sicily/IT (2005)

F. TORAL, P. ABRAMIAN, H. BRUECK, J. CALERO,
L. GARCA-TABARS, J.L. GUTIERREZ, W. MASCHMANN,

E. RODRIGUEZ, S. SANZ, M. STOLPER, C. VAZQUEZ

Fabrication and Testing of a Combined Superconducting Magnet for the TESLA Test Facility.

Proc. of 19th International Conference on Magnet Technology, Genoa/IT (2005)

M. WERNER

A Fast Magnet Current Change Monitor for Machine Protection in HERA and the LHC.

Contribution to the ICALEPCS 2005, Genf/CH (2005)

S. WILKE

PETRA III RF System Controls: A Radiation Resistant Approach.

Proc. of 9th European Synchrotron Light Source RF Meeting, Aarhus/DK (2005)

K. WITTENBURG

Quench Levels and Transient Beam Losses at HERA.
CARE AMT Workshop on Beam Generated Heat Deposition and
Quench Levels for LHC Magnets, Genf/CH (2005)

Vorträge

N. BABOI

Measurement Methods and Applications of Wakefields.
Vorlesung. Teil des Kurses Fundamentals of Wakefields and
Impedances: From Physical-Mathematical Analysis to Practical
Applications, von Dr. R.M. Jones, US Particle Acc. School,
Ithaka/USA (2005)

D.P. BARBER

Electron Ring Polarisation.
Presentation to the RHIC Machine Advisory Committee, Long
Island/USA (2005)

P. CASTRO

Magnets, Linear Optics, Undulator, BBA.
ICFA Mini-Workshop on Commissioning of X-Ray Free-Electron
Lasers, Zeuthen/DE (2005)

S. CHOROBA

Update of Modulator Development at DESY.
SLAC ILC Modulator Workshop, Stanford/USA (2005)

The TTF RF System.

34th ICFA Advanced Beam Dynamics Workshop on High Power
Superconducting Ion, Proton, and Multi-Species Linacs,
HPSL 2005, Naperville/USA (2005)

Status of the 10MW Klystron Development.

Status of the Industrial Modulators at DESY.

Summary Klystrons.

2005 International Linear Collider Physics and Detector Workshop
and 2nd ILC Accelerator Workshop, Snowmass/USA (2005)

W. DECKING

Damping Wigglers in PETRA III.

Mini-Workshop on Wiggler Optimization for Emittance Control,
Frascati/IT (2005)

Commissioning of Beam Collimation, Distribution, Dumps.

ICFA Mini-Workshop on Commissioning of X-Ray FELs,
Zeuthen/DE (2005)

Accelerator Layout and Physics of X-Ray Free Electron Lasers.

Center for Beam Physics Seminar, LBL, Berkeley/USA (2005)

M. EBERT

ELWIS - an Unconventional Concept for Automation and Control
of RF Systems.

ILC Mini-Workshop "Design for High Availability"
Grömitz/DE (2005)

H. EHRLICHMANN

Ground Vibration Measurements.
EuroTeV WP6-Kickoff-Meeting, Annecy/FR (2005)

Ground Motion Measurements.

Institute for High Energy Physics, IHEP, Beijing/CN (2005)

One Knob Operation at PETRA.

WAO 2005, Bloomingdale/USA (2005)

Some Timing Aspects at TESLA and ILC.

ILC Workshop, Snowmass/USA (2005)

O. GRIMM

Coherent Radiation Diagnostics at TTF.

Mini-Workshop on Commissioning of X-Ray Free-Electron
Lasers, Zeuthen/DE (2005)

B. HOLZER

Transverse Beam Dynamics.

Insertions in Storage Ring Lattices.

Lattice Design in Particle Storage Rings.

Linear / Nonlinear Imperfections in Accelerators.

Storage Ring Design using MAD-X.

Intermediate Accelerator School CAS, Trieste/IT (2005)

K. HONKAVAARA

Measurements of Transverse Emittance at the VUV-FEL at DESY.
ICFA Workshop: The Physics and Applications of High Brightness
Electron Beams. Erice/IT (2005)

Measurements of Transverse Emittance at TTF VUV-FEL

ICFA Mini-Workshop on Commissioning of X-Ray Free Electron
Lasers. Zeuthen/DE (2005)

J. KEIL

Beta-Beat Measurement and Correction at HERA.

Workshop LHC Lumi 2005, Arcidosso/IT (2005)

H. LIERL

Design Review Auxiliary Systems of W7X.

Summary talk given at the Design Review Meeting Auxiliary
Systems, IPP, Greifswald/DE (2005)

Cryogenic Systems for s.c. Accelerators: A Brief Introduction and
Overview.

Report on the Results of the Discussion Meeting about the
Cryogenic System for the PKU-SCAF Project.

Institute of Heavy Ion Physics, PKU, Beijing/CN (2005)

Cryogenic Systems for s.c. Accelerators: Overview and
Introduction to the Proposed PKU-SCAF Cryogenic System.
Chinese Committee for the Evaluation and Approval of the
Cryogenics for the PKU-SCAF Project, Beijing/CN (2005)

- The HERA Cryogenic Plant at DESY.
Cryogenic Installations of the TTF/VUV-FEL-Linac.
Cryogenic Systems and Cryogenic Technology for Superconducting Accelerators.
Beijing University, PKU, Beijing/CN (2005)
- Cryogenic supply for the DESY Magnets GO & GG (HERA Lumi Upgrade).
The Cryogenic Plants at DESY.
Operational Experience of the HERA Cryogenic System.
Cryogenic Installations for s.c. Cavities at DESY: TTF/VUV-FEL-Linac and XFEL Linac.
Institute for High Energy Physics, IHEP, Beijing/CN (2005)
- Review of BEPC II Cryogenics and Control.
Summary Talk of the Review Meeting on BEPCII Cryogenics and Control.
Institute for High Energy Physics, IHEP, Beijing/CN (2005)
- L. LILJE
Superconducting Cavities.
ALCPG05, Snowmass/USA (2005)
- H. MAIS
Theoretische Probleme der Strahldynamik in Beschleunigern.
Univ. Konstanz/DE (2005)
- Stochastic Aspects of Beam Physics. Inv. talk
Coulomb 05 Workshop, Senigallia/IT (2005)
- N. MEYNER, P. SCHÜLER
Upstream Polarimetry with 4-Magnet Chicane.
LCWS 2005, Stanford/USA (2005)
- W.-D. MÖLLER
High Power Input Couplers for Superconducting Cavities.
Development of RF High Power Couplers for SC Cavities for TTF.
Fabrication Issues on the High Power Couplers for TTF.
Testing, Conditioning and Operating Experience of RF High Power Couplers for TTF.
ERL Mini-Workshop at Beijing Univ., Beijing/CN (2005)
- D. NOELLE
Short Wavelength FELs at DESY. Betriebsseminar von MAMI, Mainz/DE (2005)
- First Commissioning of XFEL Diagnostics.
Machine Protection System Commissioning at XFEL.
ICFA Workshop Miniworkshop on Commissioning of X-Ray Free Electron Lasers, Zeuthen/DE (2005)
- XFEL Electron and Photon Diagnostics.
China-Germany Workshop on Free-Electron-Lasers, Beijing/CN (2005)
- F. OBIER
TESLA Damping Ring - Injection/Ejection.
KEK Kicker-Workshop, Tsukuba/JP (2005)
- J. PETERS
Status of DESY H- Source Experiments.
NIS Annual Meeting, Saclay/FR (2005)
- J. PRENTING
Surrey and Alignment of the ILC - an Introduction to the Concept and Open Questions.
Int. Linear Collider Phys. and Detector Workshop and 2nd ILC Acc. Workshop, Snowmass/USA (2005)
- D. PROCH
Report on SRF Activities.
CARE Annual Meeting, Hamburg/DE (2005)
- K. REHLICH
Control System Integration SC-4.
Control System Interface.
Global Accelerator Network Multi Purpose Virtual Laboratory (GANMVL) Meeting, Frascati/IT (2005)
- New Software Developments for the TTF VUV-FEL.
Frascati/I (2005)
- The TTF Control System: DOOCS.
Fermilab/USA, (2005)
- ATCA: A New Bus System for High Reliability.
Reliability Workshop, Grömitz/D, (2005)
- H. SCHMICKLER, R. JONES, K. WITTENBURG
Beam Instrumentation and Diagnostics.
CERN Accelerator School CAS, Accelerator Physics (Intermediate Level), Abdus Salam International Center for Theoretical Physics, Trieste/IT (2005)
- M. SCHMITZ
Approaches to a High Power Beam Dump for an (TESLA 800-Like) ILC.
ILC-BDIR Workshop, London/GB (2005)
- J. SEKUTOWICZ
LL-ILC Cavity.
Stanford/USA (2005)
- HOM Damping.
ILC-Meeting, London/GB (2005)
- Parameter Set for Cw and Near-Cw Operation of a Superconducting Linac Driving XFEL.
EuroFel Meeting, Paris/FR (2005)

Series of Lectures on SRF Technology, Energy Recovery Linacs and SRF Photo-Injectors.

Beijing Univ., Tsinghua Univ., Academy of Technical Physics, Beijing and Tsinghua/CN (2005)

M. SEIDEL

Accelerator Vacuum Systems at DESY.

Vacuum System Failures at HERA.

Workshop on Operation of Large Vacuum Systems, Genf/CH (2005)

Design Options for the XFEL Undulator Vacuum Chamber.

Workshop on Undulator Magnets, Hamburg/DE (2005)

Zur Auslegung des Vakuumsystems in der XFEL

Undulatorstrecke.

BESSY Seminar, Berlin/DE (2005)

Accelerator Vacuum Systems at DESY.

Workshop on Vacuum Systems of Synchrotron Light Sources, Barcelona/ES (2005)

W. SINGER

Metallurgical and Technological Request for High Purity Niobium in SRF Application.

International Symposium on Hydrogen in Matter (ISOHIM 2005), Uppsala/SE (2005)

K. SINRAM

LDC Experimental Infrastructure.

Int. Linear Collider Phys. and Detector Workshop and 2nd ILC Acc. Workshop, Snowmass/USA (2005)

H. WEISE

TTF Status and Plans.

TESLA Technology Collaboration Meeting, Hamburg/DE (2005)

TESLA Damping Ring-Injection/Ejection.

Int. Linear Collider Phys. and Detector Workshop and 2nd ILC Acc. Workshop, Snowmass/USA (2005)

XFEL Availability Considerations.

ILC Mini-Workshop "Design for High Availability", Grömitz/DE (2005)

Status TTF/VUV-FEL Linac.

The Advantage of Having Beam at a Module Test Stand.

TESLA Technology Collaboration Meeting, Frascati/IT (2005)

M. WERNER

GAN: Remote Operation of Accelerator Diagnosis Systems.

3. CARE-ABI-Workshop on Remote diagnostics and maintenance of beam instrumentation devices, Hirschberg/DE (2005)

High Availability Electronics Development.

ILC Mini-Workshop "Design for High Availability", Grömitz/DE (2005)

K. WITTENBURG

Beam Profile and Beam Halo Measurements with Wire Scanners.

Blockseminar / Winterschule: Aktuelle Probleme der Beschleuniger- und Plasmaphysik

Institut für Angewandte Physik der J. W. Goethe-Univ.

Frankfurt/Main, Riezlern/AT (2005)

Diplomarbeiten

M. BORCHARD

Auslegung und Konstruktion eines Proton-Emittanz-Monitors.

Hochschule für angewandte Wissenschaften, Hamburg/DE (2005)

L. FRÖHLICH

Bunch Length Measurements Using a Martin-Puplett

Interferometer at the VUV-FEL.

Univ. Hamburg/DE (2005)

DESY-TESLA-FEL 2005-02

F. LÖHL

Measurements of the Transverse Emittance at the VUV-FEL.

Univ. Hamburg/DE (2005)

DESY-TESLA-FEL 2005-03

A. KALICKI

The Measuring Station for Research of Effects of Increased Radiation on CCD and CMOS Sensors (Radiation Effects on Photonics Devices).

Univ. of Technology, Warsaw/PL (2005)

DESY-TESLA 2005-18

A. MARKOVIK

Numerical Computation of Space-Charge Fields of Electron Bunches in a Beam Pipe of Elliptical Shape.

Univ. Rostock/DE (2005)

DESY-TESLA 2005-21

P. D. PUCYK

DOOCS Based Control System for FPGA Based Cavity Simulator and Controller in VUV FEL.

Univ. of Technology, Warsaw/PL (2005)

DESY-TESLA 2005-19

D.K. RYBKA

Integrated Measurement Systems for Electronic Devices Operating in Radiation Environment.

Univ. of Technology, Warsaw/PL (2005)

DESY-TESLA 2005-17

Interne Berichte

K. ABRAHAMYAN, M. SACHWITZ, T. THON

Direct Wire Read Out Electronics for the

Hasylab-Zeuthen-Wirescanner.

DESY-TESLA 2005-11

- V. AYVAZYAN, S. CHOROBA, A. MATYUSHIN, G. MÖLLER, G. PETROSYAN, K. REHLICH, S. SIMROCK, P. VETROV
Digital Low Level RF control System for the DESY TTF VUV-FEL Linac.
DESY-TESLA-FEL 2005-06
- I.V. BAZAROV, H.S. PADAMSEE
Multivariate Optimization of ILC Parameters.
DESY-TESLA 2005-09
- W. BIALOWONS, H. EHRlichMANN
Ground Vibration Measurements at the Proposed ALBA Site in Barcelona.
DESY-TESLA 2005-10
- F. BRINKER
Summary of the Electron Test Run at DORIS in August 2005.
DESY M 05-01
- S. CASALBUONI, H. SCHLARb, B. SCHMIDT, P. SCHMÜSER, B. STEFFEN, A. WINTER
Numerical Studies on the Electro-Optic Sampling of Relativistic Electron Bunches.
DESY-TESLA 2005-01
- S. CASALBUONI, B. SCHMIDT, P. SCHMÜSER
Far-Infrared Transition and Diffraction Radiation - Part I: Production, Diffraction Effects and Optical Propagation.
DESY-TESLA 2005-15
- P. CASTRO
Measurement of the Relative Alignment between Wire scanners and Quadrupoles in the Undulator Section of VUV FEL.
DESY Technical Note 05-04
- P. CASTRO, B. FAATZ
Preliminary Results from Investigations of the Relative Alignment between the Electron Beam and Quadrupoles in the Undulator Section of VUV-FEL.
DESY Technical Note 05-01
- T. CZARSKI, W. KOPREK, K. POZNIAK, R. ROMANIUK, S. SIMROCK
CHECHIA Cavity Driving with FPGA Controller.
DESY-TESLA 2005-12
- T. CZARSKI, K. T. POZNIAK, R. S. ROMANIUK, S. SIMROCK
Cavity Parameters Identification for TESLA Control System Development.
DESY-TESLA-FEL 2005-08
- K. CZUBA, J. DOBROWOLSKI, F. EINTS, M. FELBER, S. SIMROCK
First Generation of Optical Fiber Phase Reference Distribution System for TESLA.
DESY-TESLA 2005-08
- M. DOHLUS, I. ZAGORODNOV
Impact of Undulator Wake Fields and Tapering on the European X-Ray FEL Performance.
DESY-TESLA-FEL 2005-10
- L. FRÖHLICH
Bunch Length Measurements Using a Martin-Puplett Interferometer at the VUV-FEL.
DESY-TESLA-FEL 2005-02
- A. GAMP
On the Preference of Cold RF Technology for the International Linear Collider.
DESY-TESLA 2005-23
- W. GIERGUSIEWICZ, W. KOPREK, W. JALMUZNA, K.T. POZNIAK, R.S. ROMANIUK
FPGA Based, DSP Integrated, 8-Channel SIMCON, ver. 3.0. Initial Results for 8-Channel Algorithm.
DESY-TESLA 2005-14
- O. GRIMM (Editor)
Contributions to the FEL2005 Conference.
DESY-TESLA-FEL 2005-05
- K. HACKER, P. CASTRO, M. HÜNING, D. NÖLLE, H. SCHLARb, E. SCHNEDIMILLER, E. PLÖNJES
TTF2 ACC5 Gradient Measurement.
DESY-TESLA-FEL 2005-07 und DESY Technical Note 05-03
- D. JANSSEN
Estimation of Field Amplitudes During the Operation of the 1.5 Cell Photoelectron RF Gun of the PITZ Collaboration.
DESY-TESLA-FEL 2005-01
- W. KOPREK, P. KALETA, J. SZEWINSKI, K.T. POZNIAK, R.S. ROMANIUK
Software Layer for SIMCON ver. 1.1., FPGA based TESLA Cavity Control System; User's Manual.
DESY-TESLA 2005-05
- W. KOPREK, P. PUCYK, T. CZARSKI, K.T. POZNIAK, R.S. ROMANIUK
DSP Integrated Parameterized FPGA Based Cavity Simulator and Controller for VUV FEL - SIMCON ver.2.1. Installation and Configuration Procedures: User's Manual.
DESY-TESLA 2005-06
- D. KOSTIN, R. LANGE
VUV-FEL Linac Modules 4 and 5 RF Test.
DESY Technical Note 05-05
- The MVA Team
Flansch-Strahlrohr Schweisskonstruktion an Niobkavitäten.
DESY Technical Note 05-02

K. POZNIAK

INTERNAL INTERFACE, I/O Communication with FPGA
Circuits and Hardware Description Standard for Applications in
HEP and FEL Electronics ver. 1.0.
DESY-TESLA 2005-22

K.T. POZNIAK, T. CZARSKI, W. KOPREK,
W. GIERGUSIEWICZ, R.S. ROMANIUK

8-Channel, FPGA Based, DSP Integrated Cavity Simulator and
Controller for VUV-FEL SIMCON 3.0 Version 3.0. rev. 1, 06.2005
Hardware Manual.
DESY-TESLA 2005-20

K.T. POZNIAK, T. CZARSKI, W. KOPREK, R.S. ROMANIUK
DSP Integrated, Parameterized, FPGA Based Cavity Simulator and
Controller for VUV-FEL SC Cavity SIMCON version 2.1. re. 1,
02.2005 User's Manual.
DESY-TESLA 2005-02

K.T. POZNIAK, R.S. ROMANIUK, W. JALMUZNA,
K. OLOWSKI, K. PERKUSZEWSKI, J. ZIELINSKI,
K. KIERZKOWSKI
FPGA Based, Full-Duplex, Multi-Channel, Multi-Gigabit, Optical,
Synchronous Data Transceiver for TESLA Technology LLRF
Control System.
DESY-TESLA 2005-07

K.T. POZNIAK, R.S. ROMANIUK, K. KIERZKOWSKI
Modular and Reconfigurable Common PCB-Platform of FPGA
Based LLRF Control System for TESLA Test Facility.
DESY-TESLA 2005-04

P. PUCYK, W. KOPREK, P. KALETA, J. SZEWINSKI,
K.T. POZNIAK, T. CZARSKI, R.S. ROMANIUK
DOOCS Environment for FPGA Based Cavity Control System and
Control Algorithms Development.
DESY-TESLA 2005-13

B. RACKY

Das Personen-Interlocksystem des VUV-FEL.
MPS-Laborbericht 02/05

Das Personen-Interlocksystem von DORIS.
MPS-Laborbericht 11/05

D. RAMERT

Das Personeninterlock des Linac 3.
MPS-Laborbericht 11/05

Das Personeninterlock des Linac 2.
MPS-Laborbericht 11/05

J. SEKUTOWICZ, J. IVERSEN, G. KREPS, W.-D. MÖLLER,
W. SINGER, X. SINGER, I. BEN-ZVI, A. BURRILL,
J. SMEDLEY, T. RAO, M. FERRARIO, P. KNEISEL,
J. LANGNER, P. STRZYZEWSKI, R. LEFFERTS, A. LIPSKI,
K. SZALOWSKI, K. KO, L. XIAO
Nb-Pb Superconducting RF-Gun.
DESY-TESLA-FEL 2005-09

J. SZEWINSKI, P. KALETA, P. FAFARA, P. PUCYK,
W. KOPREK, K. POZNIAK, R. ROMANIUK
Software for Development and Communication with FPGA Based
Hardware.
DESY-TESLA 2005-16

K. WITTENBURG
Beam Losses and Machine Protection.
DESY HERA 05-01

Quench Levels and Transient Beam Losses at HERA.
DESY HERA 05-02

Strahlenschutz

Veröffentlichungen

A. LEUSCHNER
The ^{12}B Counter: An Active Dosimeter for High-Energy Neutrons.
Radiation Protection Dosimetry 116 (2005) 144

Interne Berichte

Y. ASANO, A. LEUSCHNER
Synchrotron Radiation Shielding Calculations for PETRA-III
Beamlines: Optics Hutch.
Laborbericht D3-120

N. TESCH
Ergebnisse von Strahlenschutzmessungen am DESY im Jahre
2004.
Interner Bericht D3-102

Radiologische Auswirkungen auf die Umwelt beim Betrieb des
Röntgenlasers XFEL.
Laborbericht D3-119/2