APPENDIX

PUBLICATIONS


M. Böge, A. Streun, V. Schlott, **Measurement and Correction of Imperfections in the SLS Storage Ring**, Proc. EPAC'02, Paris, France, 1127 (2002).


DIPLOMA THESES

A.E. Candel
*Behaviour of different Poissons Solvers in the Light of Beam Dynamics Simulations*
Betreuung: A. Adelmann, Leitung: R. Eichler
Oktober 2001

S.C. Leemann
*Precise Energy Calibration Measurement at the SLS Storage Ring by Means of Resonant Spin Depolarization*
Betreuung: M. Böge, L. Rivkin, Leitung: R. Eichler
WS 2001/2002

DISSEMINATIONS

A. Adelmann
*3D Simulations of Space Charge Effects in Practicle Beams*
Ph.D. Thesis, No. 14545, ETH Zürich, 2002

INVITED TALKS

A. Adelmann
*Space Charge Calculations at PSI*
20th ICFA Advanced Beam Dynamics Workshop, High Intensity High Brightness Hadron Beams, Fermilab, USA
8.-12.4.2002

A. Adelmann
*On Space Charge related Issues in Circular Machines and Beamlines*
SCCM Seminars, Scientific Computing and Computational Mathematics, Stanford University
25.11.2002

M. Böge
*First Operation of the Swiss Light Source*
EPAC’02, Paris, France
3.-7.6.2002

M. Böge
"Top-up" Operation at the Swiss Light Source
SPring-8, Hyoto, Japan
3.12.2002

V. Schlott
*Global Position Feedback in SR Sources*
EPAC’02, Paris, France
3.-7.6.2002

P.A. Schmelzbach
*High Power Cyclotrons*
Accelerator Reliability Wokrshop, ESRF, Grenoble, France
2.-4.2.2002

P.K. Sigg
*Operating the PSI RF Systems at 1 MW (CW) beam power*
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13.-15.3.2002

P.K. Sigg
*Improving the Reliability of the PSI Proton Accelerator RF- Systems*
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2.-4.2.2002

T. Stammbach
*Cyclotron Performance and New Developments*
EPAC’02, Paris, France
3-7.6.2002

A. Wrulich
*The development of Light Sources up to the SLS and beyond*
John Adams Memorial Lecture, CERN, Geneva, Switzerland
December 2002

ORAL PRESENTATIONS

A. Adelmann
*Tree Codes*
Advanced Accelerator Concepts Workshop AAC
24.6.2002

M. Böge
*On the Use of CORBA in High Level Software Applications at the SLS*
Jefferson Laboratory, Newport News, USA
5.11.2002

M. Böge
*CORBA based Beam Dynamics Applications at the SLS*
Jefferson Laboratory, Newport News, USA
8.11.2002

M. Böge
*Slow Orbit Feedback*
10th ESLS X Workshop, PSI, Villigen, Switzerland, 18.-19.11.2002

M. Böge
*Orbit Stability at the SLS*
2nd IWBS Workshop, SPring-8, Hyoto, Japan

M. Böge
*Orbit Control at the SLS*
2nd IWBS Workshop, SPring-8, Hyoto, Japan
4.-6.12.2002

J. Chrin
*CORBA Experience at the SLS*
CORBA Controls Workshop, ESRF, Grenoble, France
9.-11.10.2002

J. Chrin
*Making a Statement with CORBA*
4th Int. Workshop on Personal Computers and Particle Accelerator Controls (PCaPAC 2002), Frascati, Italy
14.-17.10.2002
G. Heidenreich
*Carbon and Beryllium Targets and Beam Windows at PSI*
20th ICFA Advanced Beam Dynamics Workshop on High Intensity and High Brightness Hadron Beams, Fermilab, USA
8.-12.4.2002

M. Humbel
*Status of the PSI High Power Cyclotrons*
23rd European Cyclotron Progress Meeting, HIL Warsaw and Krakow, Poland
17.-21.9.2002

T. Korhonen
*Helical Undulator Control at SLS*
EPICS Meeting Spring 02, BESSY, Berlin, Germany
22.-23.5.2002

T. Korhonen
*SLS Timing System*
EPICS Collaboration Meeting Fall 2002, Jefferson Lab, Newport News, Virginia, USA
19.-22.11.2002

T. Korhonen
*SLS Master Pattern Generator*
EPICS Collaboration Meeting Fall 2002, Jefferson Lab, Newport News, Virginia, USA
19.-22.11.2002

S.C. Leemann
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A. Lüdeke
*Channel Configuration Management*
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A. Lüdeke
*SLS Operation*
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D. Maden
*On-the-Fly Scanning at the SLS Material Science Beamline*
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22.-23.5.2002

M. Muñoz
*SLS Status and Commissioning*
Int. Workshop Energy Recovery Linacs as Drivers for Advanced Light Sources (ERL-SYN), Erlangen, Germany
31.5.-1.6.2002

M. Muñoz
*Top-up at the SLS*
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M. Pedrozzi
*3rd Harmonic System of the SLS Storage Ring – First Results*
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T. Schilcher
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5.12.2002

T. Schilcher
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2nd Int. Workshop on Beam Orbit Stabilization 2002, Spring-8, Hyogo, Japan
6.12.2002

J.M. Schippers
*Dose imaging in radiotherapy with an Ar-CF4 filled scintillating GEM*
PSD6, Sixth Int. Conference on Position Sensitive Detectors, Leicester, UK
9.-13.09.2002

J.M. Schippers
*Beam-dynamics studies in a 250 Mev superconducting cyclotron with a particle tracking program, XXXIII European Cyclotron Progress Meeting, Warsaw/Kraków, Poland*

V. Schlott
*SLS Commissioning Results*
ALS Accelerator Colloquium, Berkeley, USA
17.06.2002

V. Schlott
*Stability and Dynamic Alignment at SLS*
10th ESLS Workshop, PSI, Villigen, Switzerland
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P. Schmelzbach
*The PSI High Intensity Cyclotron and Its Extrapolation to a 10 MW Driver*
20th ICFA Advanced Beam Dynamics Workshop on High Intensity and High Brightness Hadron Beams, Batavia, USA
8.-12.4.2002
Reliable Cyclotron Design
3rd Int. Workshop on Utilisation and Reliability of High Power Accelerators, Santa Fe, USA
12.-17.5.2002

The SLS Femtosecond Project
10th ESLS X Workshop, PSI, Villigen, Switzerland
18.-19.11.2002

Dose Rate Measurements behind Different Shielding for 250 MeV Protons on a Thick Copper Target
SATIF-6 Workshop, Stanford, USA
10.-12.4.2002

Issues of Shielding and Activation at the Paul Scherrer Institut
12th Biennial Radiation Protection and Shielding Division Topical Meeting of the American Nuclear Society, Santa Fe, USA
14.-18.4.2002

Remote Handling and Shielding at PSI
20th ICFA Advanced Beam Dynamics Workshop on High Intensity and High Brightness Hadron Beams, Fermilab, USA
8.-12.4.2002

Status of the SLS Alignment System
7th Int. Workshop on Accelerator Alignment, Spring-8 Japan
11.-14.11.2002

POSTERS


J. Chrin, M. Böge, M. Muñoz, A. Streun, Experience during SLS Commissioning, 7th Int. Computational Accelerator Physics Conference, East Lansing, Michigan, USA, October 2002.


B. Kalantari, T. Korhonen, A. Lüdeke, Applications for Top-Up Operation at the Swiss Light Source, 4th Workshop of PCs and Particle Accelerator Control PCaPAC, Frascati National Laboratories, Italy, 14.-17.10.2002.


V. Vrankovic, D.C. George, J.M. Schippers, Ray tracing with the program TRACK (from beam transport magnets to cyclotrons), XXXIII European Cyclotron Progress Meeting, Warsaw/Kraków, Poland, 18.-21.09.2002.

WORKSHOPS

M. Muñoz, A. Streun
10th European Synchrotron Light Source (ESLS-X) Workshop, Schloss Böttstein, Switzerland
18./19.11.2002

M. Pedrozzi
European Synchrotron Light Source Radio Frequency (ESLS-RF) Meeting, PSI Villigen, Switzerland
28./29.11.2002
TEACHING ACTIVITIES

S. Adam
Ingenieurmathematik
Hochschule für Technik, Zürich
WS / SS 2002

J. Cherix
Elektronik
Technikerschule TS, Zürich
WS / SS 2002

D. Maden
LabVIEW Basics
EDV Ausbildung für Physiklaboranten, PSI
February 2002

M. Muñoz
Introduction to Accelerator Physics
Universidad Autonoma da Madrid
October 2002

L. Rivkin
Beam Dynamics with Synchrotron Radiation,
CERN Accelerator School, Sesimbra, Portugal
September 2002

P.K. Sigg
Technische Informatik
Hochschule für Technik, Zürich
WS / SS 2002

P.K. Sigg
Referee for Diploma Thesis Papers
Elektrotechnik & Informatik, Fachhochschule Aargau
2002

T. Stammbach
Cyclotrons
Joint Universities Accelerator School, Archand, France
January 2002

W. Roser
- Swiss Society for Radiation Biology and Medical Physics, Board member
- Schweiz. Elektrotechnischer Verein, Technisches Komitee 62

V. Schollott
- DIAMOND’2003, Scientific Programme Committee
- DIAMOND Light Source, UK, Technical Advisory Committee
- TESLA Collaboration Board
- TESLA Search Committee

P.A. Schmelzbach
- Int. Conferences on Cyclotrons and Their Applications, Advisory Committee
- European Cyclotron Progress Meetings, Advisory Committee
- "Cyclotrons 2004", Int. Program Committee

P.K. Sigg
- NEA/NSC/MPPT (Working Party on Partitioning & Transmutation), Subgroup for Accelerator Utilisation and Reliability
- Technical Cooperation Expert for IAEA, in Korea

E. Steiner
- ICFA-HB2002, Int. Advisory Committee

A. Wrulich
- Scientific Council for DESY
- DIAMOND Light Source, UK, Technical Advisory Committee (Chairman)
- BESSY II, Berlin, Germany, Scientific Advisory Committee
- ELETTRA, Sincrotrone Trieste, Italy, Machine Advisory Committee
- Australian Synchrotron, Int. Scientific Advisory Board
- LHC Cost & Schedule Committee
- ‘Journal of Synchrotron Radiation’, Co-Editor

MEMBERSHIPS IN EXTERNAL COMMITTEES

W. Joho
- Superconducting Cyclotron at ENEA, Rome, Advisory Committee

U. Kalt
- Schweiz. Gesellschaft für Vakuumphysik, Member

A. Mezger
- Conferences on Accelerator and Large Experimental Physics Control System, Int. Scientific Advisory Committee

L. Rivkin
- European Physical Society Interdivisional Group on Accelerators, Chairman of the Board
- Editorial Board of Phys. Rev. ST-AB
- EPS12, Int. Program Committee
- PAC2003, Program Committee
- CERN Accelerator School, Program Committee
- Joint Universities Accelerator School, Program Committee
- SOLEIL, Machine Advisory Committee

AWARDS

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PROFESSORSHIPS

A. Wrulich
Appointed Chair of the Accelerator Physics Dept.,
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