

The XX European Synchrotron Light Source workshop



Sunday 18 November 2012 - Tuesday 20 November 2012

Scientific Programme

Sunday 18.11.2012

18:00-20:00 Registration and reception at BESSY: Beer, wine, beverages and typical German "Abendbrot".

The registration will be open on Monday and Tuesday mornings and during the coffee breaks.

Monday 19.11.2012 Status Reports I - III

Chair: Pedro Fernandes Tavares

Guided tours through the facilities

During this time there will be a hands-on demonstration in the control room of some of the features of the MLS. The following tools for manipulating and measuring non-linear alpha buckets will be presented:

demonstration of injection and energy ramp

short bunch generation through low-alpha operation -> bunch squeezing observation by a streak camera

impact of octupoles - on-line determination of all three non-linear chromaticities as a function of the octupole currents

generation of non-linear alpha buckets with high beam currents "double beam operation"

measurements on simultaneously filled non-linear alpha buckets

Note, due to the space limitations in the small MLS control room participation is limited to six persons only. Please register by sending an email to joerg.feikes@helmholtz-berlin.de - participation will be on the first-come-first-served basis.

Coffee Break

10:20 - 12:35 Status Reports I with Chair: Pedro Fernandes Tavares

Lunch Break

13:30 - 15:15 Status Report II with Chair: Richard Walker

Coffee Break

15:40 - 17:20 Status Report III & Other Contributions with Chair: Laurent Farvacque

Refreshments

17:40 - 18:00 Workshop Reports with Chair: Jean-Luc Revol

19:30 Meeting at the hotel and transportation to the Workshop Dinner

Tuesday, 20.11.2012 Status Reports IV

Low alpha operation

8:30 - 10:10 Status Reports IV & Low alpha operation with Chair: Godehard Wüstefeld

Coffee Break

10:30 - 12:30 Status Reports V with Chair: Emanuel Karantzoulis

Lunch and end of Workshop

Status Reports I

Chair: Pedro Fernandes Tavares

Welcome address by Andreas Jankowiak (HZB)

PETRA III: Status and Upgrade Plans

Michael Bieler (DESY)

Elettra Status and Future Plans

Emanuel Karantzoulis (Elettra-Sincrotrone Trieste)

Operation and Performance of SOLEIL

Amor Nadji (SYNCHROTRON SOLEIL)

Brief Status of ASTRID/ASTRID2

Niels Hertel (ISA, University of Aarhus)

Status of ANKA

Erhard Huttel (ANKA)

Status Report II

Chair: Richard Walker

First Year Operation of the ALBA Synchrotron Light Source

Francis Perez (ALBA Synchrotron - CELLS)

ESRF Operation and Upgrade Status

Jean-Luc Revol (ESRF)

Synchrotron Light Sources at PSI

Andreas Lüdeke (Paul Scherrer Institute)

Status of SOLARIS

Adriana Wawrzyniak (Solaris, Jagiellonian University)

Status Report of the MAX-IV Project

Pedro Fernandes Tavares (MAX IV Lab)

Status Reports III Other Contributions

Chair: Laurent Farvacque

Longitudinal Beam Stability of the MAX-IV 3 GeV Ring - the Impact of a Low-Emittance Lattice on the Beam Stability

Thomas F. Güntzel (CELLS-ALBA)

Design and Expected Performance of the New SLS Beam Size Monitor

Angela Saa Hernandez (Paul Scherrer Institute)

Diamond Status Report

Richard Walker (Diamond Light Source)

Plans for Diamond-II

Riccardo Bartolini (Diamond Light Source)

A New Lattice for the ESRF Upgrade

Andrea Franchi (ESRF)

Workshop Reports

Chair: Jean-Luc Revol

Summary of the USR workshop

Riccardo Bartolini (Diamond Light Source)

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