

1st Workshop on Low Emittance Lattice Design



Report of Contributions

Contribution ID: 0

Type: **not specified**

***MBA Designs (25+5)**

Thursday 23 April 2015 09:00 (30 minutes)

Presenter: EINFELD, Dieter (ESRF)

Session Classification: Design Concepts I

Contribution ID: 1

Type: **not specified**

APS-U (15+5)

Thursday 23 April 2015 09:30 (20 minutes)

Presenter: EMERY, Louis (Argonne National Laboratory)

Session Classification: Design Concepts I

Contribution ID: 2

Type: **not specified**

SPring-8 Upgrade (15+5)

Thursday 23 April 2015 09:50 (20 minutes)

Presenter: SOUTOME, Kouichi (JASRI/SPring-8)

Session Classification: Design Concepts I

Contribution ID: 3

Type: **not specified**

ESRF-U (15+5)

Thursday 23 April 2015 10:10 (20 minutes)

Presenter: RAIMONDI, Pantaleo (ESRF)

Session Classification: Design Concepts I

Contribution ID: 8

Type: **not specified**

***Multi-Objective Optimization Techniques (25+5)**

Thursday 23 April 2015 14:35 (30 minutes)

Presenter: ADELMANN, Andreas (PSI)

Session Classification: Design Tools / Tools for Non-linear Optimization

Contribution ID: 12

Type: **not specified**

***LEL Designs and Collective Effects (25+5)**

Friday 24 April 2015 14:00 (30 minutes)

Presenter: NAGAOKA, Ryutaro (Synchrotron SOLEIL)

Session Classification: Influence of Collective Effects on Design

Contribution ID: 15

Type: **not specified**

FCC, next generation particle collider

Presenter: HOLZER, Bernhard (CERN)

Contribution ID: 16

Type: **not specified**

MOGA Optimization of Dynamic Aperture in SLS-2.0 Prototype Lattices (20+5)

Thursday 23 April 2015 16:25 (25 minutes)

Presenter: EHRLICHMAN, Michael (PSI)

Session Classification: Design Tools / Tools for Non-linear Optimization

Contribution ID: 17

Type: **not specified**

Lattice Momentum Acceptance Optimization (20+5)

Thursday 23 April 2015 16:50 (25 minutes)

Presenter: BOGOMYAGKOV, Anton (Budker Institute of Nuclear Physics)

Session Classification: Design Tools / Tools for Non-linear Optimization

Contribution ID: 19

Type: **not specified**

*Beam Stability Requirements for LERs (25+5)

Friday 24 April 2015 09:00 (30 minutes)

Presenter: HETTEL, Robert (SLAC National Accelerator Laboratory)

Session Classification: Error Sensitivity I

Contribution ID: 20

Type: **not specified**

Error Studies for Low Emittance Rings with Application to APS-U (20+5)

Friday 24 April 2015 09:30 (25 minutes)

Presenter: SAJAEV, Vadim (ANL)

Session Classification: Error Sensitivity I

Contribution ID: 21

Type: **not specified**

Girder Realignment utilizing Survey and Beam Data (20+5)

Friday 24 April 2015 09:55 (25 minutes)

Presenter: APOLLONIO, Marco (Istituto Nazionale di Fisica Nucleare (INFN))

Session Classification: Error Sensitivity I

Contribution ID: 26

Type: **not specified**

Lattice Design of Intrabeam Scattering dominated LERs (20+5)

Friday 24 April 2015 14:30 (25 minutes)

Presenter: ANTONIOU, Fanouria (National Technical Univ. of Athens (GR))

Session Classification: Influence of Collective Effects on Design

Contribution ID: 27

Type: **not specified**

Discussion / Short Contributions

Friday 24 April 2015 14:55 (15 minutes)

Session Classification: Influence of Collective Effects on Design

Contribution ID: 28

Type: **not specified**

MOGA based Optimization of the APS-U Lattice / Elegant (20+5)

Thursday 23 April 2015 16:00 (25 minutes)

Presenter: EMERY, Louis (Argonne National Laboratory)

Session Classification: Design Tools / Tools for Non-linear Optimization

Contribution ID: 29

Type: **not specified**

Damping Ring Issues

Thursday 23 April 2015 14:00 (20 minutes)

Presenter: PAPAPHILIPPOU, Yannis (CERN)

Session Classification: Design Concepts III

Contribution ID: **32**

Type: **not specified**

Registration

Thursday 23 April 2015 08:00 (45 minutes)

Contribution ID: 33

Type: **not specified**

Welcome and Workshop Introduction

Thursday 23 April 2015 08:45 (15 minutes)

Presenters: PEREZ, Francis (ALBA Synchrotron - CELLS); BENEDETTI, Gabriele (ALBA-CELLS); STREUN, andreas (Paul Scherrer Institut PSI)

Contribution ID: 35

Type: **not specified**

Discussion / Short Contributions - Optics for TME cell with longitudinal varying fields for CLIC

Thursday 23 April 2015 14:20 (15 minutes)

Presenter: PAPAPHILIPPOU, Yannis (CERN)

Session Classification: Design Concepts III

Contribution ID: 36

Type: **not specified**

A moment with Tracy-2,3 (20+5)

Thursday 23 April 2015 15:05 (25 minutes)

Presenter: BENGTTSSON, Johan (BNL, Upton US)

Session Classification: Design Tools / Tools for Non-linear Optimization

Contribution ID: 37

Type: **not specified**

Discussion / Short Contributions

Thursday 23 April 2015 17:15 (15 minutes)

Session Classification: Design Tools / Tools for Non-linear Optimization

Contribution ID: **38**

Type: **not specified**

Discussion / Short Contributions

Friday 24 April 2015 10:20 (10 minutes)

Session Classification: Error Sensitivity I

Contribution ID: 41

Type: **not specified**

***FCC, a study for the next generation particle collider (25+5)**

Friday 24 April 2015 15:40 (30 minutes)

Presenter: HOLZER, Bernhard (CERN)

Session Classification: Future Circular Colliders

Contribution ID: 42

Type: **not specified**

FCC: Lattice optimization and emittance tuning (20+5)

Friday 24 April 2015 16:10 (25 minutes)

Presenter: HARER, Bastian (KIT - Karlsruhe Institute of Technology (DE))

Session Classification: Future Circular Colliders

Contribution ID: 43

Type: **not specified**

Discussion / Short Contributions

Friday 24 April 2015 16:35 (15 minutes)

Session Classification: Future Circular Colliders

Contribution ID: 46

Type: **not specified**

Discussion and Closing Remarks

Friday 24 April 2015 16:50 (40 minutes)

Presenter: STREUN, andreas (Paul Scherrer Institut PSI)

Session Classification: Discussion and Closing Remarks

Contribution ID: 47

Type: **not specified**

MAX-IV (15+5)

Thursday 23 April 2015 11:00 (20 minutes)

Presenter: LEEMANN, Simon (MAX IV Laboratory / Lund University)

Session Classification: Design Concept II

Contribution ID: 48

Type: **not specified**

Diamond-U (15+5)

Thursday 23 April 2015 11:20 (20 minutes)

Presenter: BARTOLINI, riccardo (Diamond Light Source and John Adams Institute)

Session Classification: Design Concept II

Contribution ID: 49

Type: **not specified**

SLS-2.0 (15+5)

Thursday 23 April 2015 11:40 (20 minutes)

Presenter: STREUN, andreas (Paul Scherrer Institut PSI)

Session Classification: Design Concept II

Contribution ID: 50

Type: **not specified**

Elettra 2.0, the Next Machine (15+5)

Thursday 23 April 2015 12:00 (20 minutes)

Presenter: KARANTZOULIS, Emanuel (Elettra - Sincrotrone Trieste)

Session Classification: Design Concept II

Contribution ID: 51

Type: **not specified**

Sensitivity Studies / Coupling Control for the CLIC Damping Rings (20+5)

Friday 24 April 2015 11:00 (25 minutes)

Presenter: ALABAU GONZALVO, Javier (CERN)

Session Classification: Error Sensitivity II

Contribution ID: 52

Type: **not specified**

Investigation of Injection Schemes for SLS-2.0 (20+5)

Friday 24 April 2015 11:25 (25 minutes)

Presenter: SAA HERNANDEZ, Angela (P)

Session Classification: Error Sensitivity II

Contribution ID: 53

Type: **not specified**

Experimental Setup and Lattice Data Analysis for TBT Measurements at ALBA (20+5)

Friday 24 April 2015 11:50 (25 minutes)

Presenter: CARLA', michele (cells-alba)

Session Classification: Error Sensitivity II

Contribution ID: 54

Type: **not specified**

Optics Measurements in LERs using TBT data (20+5)

Friday 24 April 2015 12:15 (25 minutes)

Presenter: ZISOPOULOS, Panagiotis (Uppsala University (SE))

Session Classification: Error Sensitivity II

Contribution ID: 55

Type: **not specified**

Discussion / Short Contributions

Friday 24 April 2015 12:40 (20 minutes)

Session Classification: Error Sensitivity II