EIFast - Workshop on the European XFEL Project



Report of Contributions

Welcome and Introduction

Contribution ID: 13

Type: not specified

Welcome and Introduction

Tuesday, 9 May 2006 08:30 (10 minutes)

Presenter:TRINES, Dieter (DESY)Session Classification:Opening Plenary

The European XFEL Project

Contribution ID: 14

Type: not specified

The European XFEL Project

Tuesday, 9 May 2006 08:40 (35 minutes)

Presenter: ALTARELLI, Massimo (European XFEL Project Team) **Session Classification:** Opening Plenary

(no title)

Contribution ID: 15

Type: not specified

(no title)

European XFEL - Overview techni...

Contribution ID: 16

Type: not specified

European XFEL - Overview technical layout

Tuesday, 9 May 2006 09:15 (35 minutes)

Presenter: BRINKMANN, Reinhard (DESY) **Session Classification:** Opening Plenary

DESY Purchasing

Contribution ID: 17

Type: not specified

DESY Purchasing

Tuesday, 9 May 2006 09:50 (15 minutes)

Presenter: SCHERF, Christian (DESY)

Session Classification: Opening Plenary

Introduction Working Groups

Contribution ID: 18

Type: not specified

Introduction Working Groups

Tuesday, 9 May 2006 10:20 (10 minutes)

Presenter:TRINES, Dieter (DESY)Session Classification:Opening Plenary

EIFast - Worksho $\dots \ /$ Report of Contributions

Warm Vacuum Systems

Contribution ID: 19

Type: not specified

Warm Vacuum Systems

Tuesday, 9 May 2006 16:50 (50 minutes)

Presenter: SEIDEL, Mike (DESY)

Session Classification: WG 6 Vacuum cold & warm

(no title)

Contribution ID: 20

Type: not specified

(no title)

Cold Vacuum Issues

Contribution ID: 21

Type: not specified

Cold Vacuum Issues

Tuesday, 9 May 2006 16:00 (50 minutes)

Presenter: ZAPFE, Kirsten (DESY)

Session Classification: WG 6 Vacuum cold & warm

XFEL Beam Dumps

Contribution ID: 22

Type: not specified

XFEL Beam Dumps

Tuesday, 9 May 2006 17:40 (20 minutes)

Presenter: SCHMITZ, Michael (DESY)

Session Classification: WG 6 Vacuum cold & warm

Underground Facilities

Contribution ID: 23

Type: not specified

Underground Facilities

Tuesday, 9 May 2006 11:00 (30 minutes)

Project description, Dates, Contract Lots, Award Procedures

Presenter: HAENISCH, Lindemar (DESY)

Surface Buildings

Contribution ID: 24

Type: not specified

Surface Buildings

Tuesday, 9 May 2006 11:30 (30 minutes)

Project Description, Dates, Technical Infrastructure, Office Utilities, Contract Lots, Award Procedures

Presenter: DOST, Per (DESY)

Power Distribution and Mains

Contribution ID: 25

Type: not specified

Power Distribution and Mains

Tuesday, 9 May 2006 12:00 (30 minutes)

Utilities Overview, Power Distribution, Cabling, MV Switchgear, Emergency Power

Primary author: HAVLICEK, Jan (DESY)Presenter: JENSEN, Jens-Peter (DESY)Session Classification: WG 1 Civil Engineering, Building Services & Utilities

Heating, Air Conditioning and Ve...

Contribution ID: 26

Type: not specified

Heating, Air Conditioning and Ventilation

Tuesday, 9 May 2006 13:30 (25 minutes)

Heating Systems, Ventilation, Air Conditioning, Fire Ventilation

Primary author: CELIK, Sabahattin (DESY)Presenter: JENSEN, Jens-Peter (DESY)Session Classification: WG 1 Civil Engineering, Building Services & Utilities

Water Cooling

Contribution ID: 27

Type: not specified

Water Cooling

Tuesday, 9 May 2006 13:55 (25 minutes)

Water Cooling Systems, Dry-wet Cooling Tower, Water Chiller, LCW-Water Treatment

Presenter: ULLRICH, Frank-Reinhard (DESY)

Specials: Transport Systems

Contribution ID: 28

Type: not specified

Specials: Transport Systems

Tuesday, 9 May 2006 14:20 (25 minutes)

Special Transports, Transport Vehicles & Tooling

Presenter: MEYNERS, Norbert (DESY)

Special Safety Systems for XFEL

Contribution ID: 29

Type: not specified

Special Safety Systems for XFEL

Tuesday, 9 May 2006 14:45 (25 minutes)

Safety Systems for the Underground and Surface Facilities

Presenter: SCHRADER, Stefan (DESY)

Cold Magnets and Current Leads

Contribution ID: 30

Type: not specified

Cold Magnets and Current Leads

Tuesday, 9 May 2006 16:00 (40 minutes)

Presenter: BRUECK, Heinrich-Dieter (DESY)

Session Classification: WG 4 Magnets & Powersupplies

EIFast - Worksho $\dots \ /$ Report of Contributions

Warm Magnets

Contribution ID: 31

Type: not specified

Warm Magnets

Tuesday, 9 May 2006 16:40 (40 minutes)

Presenter: KRAUSE, Bernward (DESY)

Session Classification: WG 4 Magnets & Powersupplies

Power Supplies for XFEL

Contribution ID: 32

Type: not specified

Power Supplies for XFEL

Tuesday, 9 May 2006 17:20 (40 minutes)

Presenter: ECKOLDT, Hans-Joerg (DESY)

Session Classification: WG 4 Magnets & Powersupplies

Overview RF System

Contribution ID: 33

Type: not specified

Overview RF System

Tuesday, 9 May 2006 16:00 (20 minutes)

Presenter: CHOROBA, Stefan (DESY)

Session Classification: WG 2 RF System

The XFEL Modulator

Contribution ID: 34

Type: not specified

The XFEL Modulator

Tuesday, 9 May 2006 16:20 (15 minutes)

Presenter:KÖHLER, Winfried (DESY)Session Classification:WG 2 RF System

Waveguide distribution for XFEL

Contribution ID: 35

Type: not specified

Waveguide distribution for XFEL

Tuesday, 9 May 2006 16:35 (15 minutes)

Presenter: KATALEV, Valery **Session Classification:** WG 2 RF System

Klystron Interlock for the XFEL RF ...

Contribution ID: 36

Type: not specified

Klystron Interlock for the XFEL RF Stations

Tuesday, 9 May 2006 16:50 (15 minutes)

Presenter: LEICH, Holger (DESY) **Session Classification:** WG 2 RF System

Driver Amplifier for 10 MW Klyst...

Contribution ID: 38

Type: not specified

Driver Amplifier for 10 MW Klystrons

Tuesday, 9 May 2006 17:05 (10 minutes)

Presenter: RANDHAHN, Jean (DESY) **Session Classification:** WG 2 RF System

RF-Gun for FLASH & XFEL

Contribution ID: 39

Type: not specified

RF-Gun for FLASH & XFEL

Tuesday, 9 May 2006 17:15 (10 minutes)

Presenter:FLÖTTMANN, Klaus (DESY)Session Classification:WG 2 RF System

 EIFast - Worksho ... / Report of Contributions

SC Cavities: Nb Material

Contribution ID: 40

Type: not specified

SC Cavities: Nb Material

spec., eddy current, QA

Presenter: SINGER, Waldemar (DESY)

Actual cavity preparation sequenc ...

Contribution ID: 41

Type: not specified

Actual cavity preparation sequences (under study for the XFEL)

Tuesday, 9 May 2006 11:30 (20 minutes)

tuning, chemistry, HPW

Presenter: MATHEISEN, Axel (DESY) **Session Classification:** WG 7 Cavities & Couplers

Vertical test measurement

Contribution ID: 42

Type: not specified

Vertical test measurement

Tuesday, 9 May 2006 11:50 (15 minutes)

Presenter: RESCHKE, Detlef (DESY)

X-FEL Power Coupler Design

Contribution ID: 43

Type: not specified

X-FEL Power Coupler Design

Tuesday, 9 May 2006 16:00 (15 minutes)

spec.

Presenter: MÖLLER, Wolf-Dietrich (DESY) **Session Classification:** WG 7 Cavities & Couplers

XFEL Power Couplers - Industriali...

Contribution ID: 44

Type: not specified

XFEL Power Couplers - Industrialization process and manufacturing

Tuesday, 9 May 2006 16:15 (25 minutes)

definition contract

Presenter: PRAT, Serge (IN2P3)

Power Coupler: Testing

Contribution ID: 45

Type: not specified

Power Coupler: Testing

Tuesday, 9 May 2006 16:40 (15 minutes)

high power test

Presenter: KOSTIN, Denis (DESY)

X-FEL Power Coupler Assembly

Contribution ID: 46

Type: not specified

X-FEL Power Coupler Assembly

Tuesday, 9 May 2006 16:55 (25 minutes)

string assembly of coupler

Presenter: MÖLLER, Wolf-Dietrich (DESY)

High Frequency Beam Line Absorber

Contribution ID: 47

Type: not specified

High Frequency Beam Line Absorber

Tuesday, 9 May 2006 17:35 (10 minutes)

Presenter: MILDNER, Nils (DESY)

Frequency tuner: mechanical design

Contribution ID: 48

Type: not specified

Frequency tuner: mechanical design

design, spec.

Presenter: LILJE, Lutz (DESY)

Frequency tuner: motor, gear-box

Contribution ID: 49

Type: not specified

Frequency tuner: motor, gear-box

design, spec.

Presenter: LILJE, Lutz (DESY)

Frequency Tuner for the XFEL

Contribution ID: 50

Type: not specified

Frequency Tuner for the XFEL

Tuesday, 9 May 2006 17:50 (15 minutes)

design, spec.

Presenter: LILJE, Lutz (DESY)

Session Classification: WG 7 Cavities & Couplers

Electron Beam Diagnostics for XFEL

Contribution ID: 51

Type: not specified

Electron Beam Diagnostics for XFEL

Tuesday, 9 May 2006 11:00 (30 minutes)

Presenter: NÖLLE, Dirk (DESY)

Discussion

Contribution ID: 52

Type: not specified

Discussion

Tuesday, 9 May 2006 11:30 (10 minutes)

Photon Diagnostics

Contribution ID: 53

Type: not specified

Photon Diagnostics

Discussion

Contribution ID: 54

Type: not specified

Discussion

Tuesday, 9 May 2006 12:00 (10 minutes)

Special Diagnostics

Contribution ID: 55

Type: not specified

Special Diagnostics

Presenter: SCHLARB, Holger (DESY)

Discussion

Contribution ID: 56

Type: not specified

Discussion

The XFEL Control System: Hardware

Contribution ID: 57

Type: not specified

The XFEL Control System: Hardware

Tuesday, 9 May 2006 13:30 (20 minutes)

Rack, Crates, Electronics; Network, Compters, Timing, MPS

Presenter: REHLICH, Kay (DESY)

Discussion

Contribution ID: 58

Type: not specified

Discussion

Tuesday, 9 May 2006 13:50 (10 minutes)

The XFEL Control System: Software

Contribution ID: 59

Type: not specified

The XFEL Control System: Software

Tuesday, 9 May 2006 14:00 (20 minutes)

Presenter: REHLICH, Kay (DESY)

Industrial Participation in LLRF C ...

Contribution ID: 60

Type: not specified

Industrial Participation in LLRF Control for the European XFEL

Tuesday, 9 May 2006 14:30 (20 minutes)

Presenter: SIMROCK, Stefan (DESY)

Discussion

Contribution ID: 61

Type: not specified

Discussion

Tuesday, 9 May 2006 14:50 (10 minutes)

Laser

Contribution ID: 62

Type: not specified

Laser

Presenter: DUESTERER, Stefan (DESY)

Discussion

Contribution ID: 63

Type: not specified

Discussion

Discussion

Contribution ID: 64

Type: not specified

Discussion

Tuesday, 9 May 2006 14:20 (10 minutes)

XFEL-Cryogenics - an overview

Contribution ID: 65

Type: not specified

XFEL-Cryogenics - an overview

Tuesday, 9 May 2006 11:00 (10 minutes)

Options, spec

Presenter: PETERSEN, Bernd (DESY)

XFEL-cryoplant

Contribution ID: 66

Type: not specified

XFEL-cryoplant

Options, spec

Presenter: PETERSEN, Bernd (DESY)

Valve boxes

Contribution ID: 67

Type: not specified

Valve boxes

Options, spec

Presenter: PETERSEN, Bernd (DESY)

Bunch-Compressor-Transferlines

Contribution ID: 68

Type: not specified

Bunch-Compressor-Transferlines

Tuesday, 9 May 2006 11:20 (10 minutes)

spec

Presenter: SELLMANN, Detlef (DESY)

String-Connection-Boxes

Contribution ID: 69

Type: not specified

String-Connection-Boxes

Tuesday, 9 May 2006 11:30 (5 minutes)

spec

Presenter: SELLMANN, Detlef (DESY)

Transfer-Lines

Contribution ID: 70

Type: not specified

Transfer-Lines

spec

Presenter: SELLMANN, Detlef (DESY)

Shopping-list XFEL-cryogenics

Contribution ID: 71

Type: not specified

Shopping-list XFEL-cryogenics

Presenter: PETERSEN, Bernd (DESY)

Discussion cryogenics

Contribution ID: 72

Type: not specified

Discussion cryogenics

Tuesday, 9 May 2006 11:35 (20 minutes)

XFEL-Accelerator Module Test Fac...

Contribution ID: 73

Type: not specified

XFEL-Accelerator Module Test Facility AMTF

Tuesday, 9 May 2006 12:05 (10 minutes)

Options, spec

Presenter: PETERSEN, Bernd (DESY)

Test dewars

Contribution ID: 74

Type: not specified

Test dewars

Valve boxes

Contribution ID: 75

Type: not specified

Valve boxes

Transfer lines

Contribution ID: 76

Type: not specified

Transfer lines

He-pumps

Contribution ID: 77

Type: not specified

He-pumps

Miscalleanous

Contribution ID: 78

Type: not specified

Miscalleanous

AMTF shopping list

Contribution ID: 79

Type: not specified

AMTF shopping list

AMTF discussion

Contribution ID: 80

Type: not specified

AMTF discussion

Tuesday, 9 May 2006 13:30 (30 minutes)

Cryo Module TypeIII Assembly ou...

Contribution ID: 81

Type: not specified

Cryo Module TypeIII Assembly outside Clean Room

Tuesday, 9 May 2006 14:20 (15 minutes)

Industral study, procedure

Presenter: JENSCH, Kay (DESY)

Clean room

Contribution ID: 82

Type: not specified

Clean room

Prototyping, interfaces

Presenter: MATHEISEN, Axel (DESY)

Outside clean room

Contribution ID: 83

Type: not specified

Outside clean room

Presenter: JENSCH, Kay (DESY)

Module discussion

Contribution ID: 84

Type: not specified

Module discussion

Tuesday, 9 May 2006 14:35 (30 minutes)

SC Cavities; Material, Fabrication

Contribution ID: 85

Type: not specified

SC Cavities; Material, Fabrication

Tuesday, 9 May 2006 11:00 (30 minutes)

spec, EDMS, QA

Presenter: SINGER, Waldemar (DESY)

Discussion

Contribution ID: 86

Type: not specified

Discussion

Tuesday, 9 May 2006 12:05 (25 minutes)

Discussion

Contribution ID: 87

Type: not specified

Discussion

Tuesday, 9 May 2006 17:20 (15 minutes)

Discussion

Contribution ID: 88

Type: not specified

Discussion

Tuesday, 9 May 2006 17:45 (5 minutes)

Discussion

Contribution ID: 89

Type: not specified

Discussion

Tuesday, 9 May 2006 18:05 (25 minutes)

Discussion

Contribution ID: 90

Type: not specified

Discussion

Tuesday, 9 May 2006 17:25 (1h 5m)

Session Classification: WG 2 RF System

Magnet Technology for the XFEL ...

Contribution ID: 91

Type: not specified

Magnet Technology for the XFEL Undulator Systems

Tuesday, 9 May 2006 18:00 (20 minutes)

Presenter: PFLÜGER, Joachim (DESY)

Session Classification: WG 4 Magnets & Powersupplies

Permanent Magnets

Contribution ID: 92

Type: not specified

Permanent Magnets

Discussion

Contribution ID: 93

Type: not specified

Discussion

Tuesday, 9 May 2006 18:20 (10 minutes)

Session Classification: WG 4 Magnets & Powersupplies

Lasers for Pump-Probe Experiments

Contribution ID: 94

Type: not specified

Lasers for Pump-Probe Experiments

Tuesday, 9 May 2006 11:40 (20 minutes)

Presenter: DÜSTERER, Stefan (DESY)

Session Classification: WG 5 Diagnostics, Controls & Laser

Procurement for the XFEL Project

Contribution ID: 95

Type: not specified

Procurement for the XFEL Project

Tuesday, 9 May 2006 10:05 (15 minutes)

Presenter: WITTE, Karl (European XFEL Project Team) **Session Classification:** Opening Plenary EIFast - Worksho $\dots \ /$ Report of Contributions

Cryomodules

Contribution ID: 96

Type: not specified

Cryomodules

Tuesday, 9 May 2006 14:10 (10 minutes)

Presenter: LANGE, Rolf (DESY)

Session Classification: WG 3 Cryogenics & Cryostats

Summary WG 1

Contribution ID: 97

Type: not specified

Summary WG 1

Wednesday, 10 May 2006 10:00 (10 minutes)

Presenter: EBBINGHAUS, Kurt (Babcock Noell Nuclear)

Summary WG 2

Contribution ID: 98

Type: not specified

Summary WG 2

Wednesday, 10 May 2006 10:10 (10 minutes)

Presenter: KÄSLER, Wolfgang (Puls-Plasmatechnik)

Summary WG 3

Contribution ID: 99

Type: not specified

Summary WG 3

Wednesday, 10 May 2006 10:20 (10 minutes)

Presenter: PEINIGER, Michael (ACCEL)

Summary WG 4

Contribution ID: 100

Type: not specified

Summary WG 4

Wednesday, 10 May 2006 10:30 (10 minutes)

Presenter: ROMERO RUIZ, Javier (CDTI)

Summary WG 5

Contribution ID: 101

Type: not specified

Summary WG 5

Wednesday, 10 May 2006 10:40 (10 minutes)

Presenter: WILCOX, David (E2V Technologies)

Summary WG 6

Contribution ID: 102

Type: not specified

Summary WG 6

Wednesday, 10 May 2006 10:50 (10 minutes)

Presenter: VAN OTTERLOO, Pieter (Dutch Scientific)

Summary WG 7

Contribution ID: 103

Type: not specified

Summary WG 7

Wednesday, 10 May 2006 11:00 (10 minutes)

Presenter: CORNIANI, Giorgio (Ettore Zanon)

 EIFast - Worksho ... / Report of Contributions

Discussion

Contribution ID: 104

Type: not specified

Discussion

Wednesday, 10 May 2006 11:10 (1h 10m)

XFEL-Linac Cryogenics

Contribution ID: 105

Type: not specified

XFEL-Linac Cryogenics

Tuesday, 9 May 2006 11:10 (10 minutes)

Presenter: PETERSEN, Bernd (DESY)

Session Classification: WG 3 Cryogenics & Cryostats