

**6th Mini-Workshop on
Longitudinal Diagnostics for
FELs**

Report of Contributions

Contribution ID: 0

Type: **not specified**

Welcome

Contribution ID: 1

Type: **not specified**

Welcome

Contribution ID: 2

Type: **not specified**

Welcome

Contribution ID: 3

Type: **not specified**

Overview: Facilities at Daresbury

Presenter: Dr JAMISON, Steven (STFC)

Contribution ID: 4

Type: **not specified**

Status SwissFEL and overview on longitudinal diagnostics

Presenter: SCHLOTT, Volker (PSI)

Contribution ID: 5

Type: **not specified**

Status European XFEL and overview on longitudinal diagnostics

Presenter: Dr GERTH, Christopher (DESY)

Contribution ID: 6

Type: **not specified**

Status FLUTE

Contribution ID: 7

Type: **not specified**

Discussion

Contribution ID: 8

Type: **not specified**

Collaboration Overview: Laser Synchronization

Contribution ID: 9

Type: **not specified**

Collaboration Overview: Fiber Laser Systems

Presenter: Dr STEFFEN, Bernd (DESY)

Contribution ID: **10**

Type: **not specified**

Laser synchronization / fiber laser

Presenter: Mr FELBER, Matthias (DESY)

Contribution ID: 11

Type: **not specified**

Laser synchronization / fiber laser

Presenter: Mr HEUER, Michael (Desy)

Contribution ID: 12

Type: **not specified**

Laser synchronization / fiber laser

Presenter: Dr STEFFEN, Bernd (DESY)

Contribution ID: 13

Type: **not specified**

Laser synchronization / fiber laser

Presenter: Mr KOZAK, Tomasz (DMCS)

Contribution ID: 14

Type: **not specified**

Laser synchronization / fiber laser

Presenter: KAISER, Maik (PSI)

Contribution ID: 15

Type: **not specified**

Laser synchronization / fiber laser

Presenter: Dr NASSE, Michael (Karlsruhe Institute of Technology)

Contribution ID: 16

Type: **not specified**

Laser synchronization / fiber laser

Presenter: Mr MAI, Carsten (TU Dortmund University)

Contribution ID: 17

Type: **not specified**

Laser synchronization / fiber laser

Presenter: ROMANN, Albert (PSI)

Contribution ID: **18**

Type: **not specified**

Laser synchronization / fiber laser

Presenter: SCHÖNFELDT, Patrik (KIT)

Contribution ID: 19

Type: **not specified**

Laser synchronization / fiber laser

Presenter: Mr NIEMCZYK, Raffael (TU Dortmund)

Contribution ID: **20**

Type: **not specified**

Laser synchronization

Contribution ID: 21

Type: **not specified**

Laser synchronization / Laser to RF locking

Presenter: Mr HENDERSON, James (Oxford University)

Contribution ID: 22

Type: **not specified**

Registration & Coffee

Thursday, October 20, 2016 9:00 AM (30 minutes)

Contribution ID: 23

Type: **not specified**

The Bunch Arrival Time Monitors for SwissFEL

Thursday, October 20, 2016 9:30 AM (5 minutes)

Presenter: Dr ARSOV, Vladimir (PSI)

Session Classification: Session 1: Posters & Poster Talks

Contribution ID: 24

Type: **not specified**

RF-Optical Synchronisation for CLARA

Thursday, October 20, 2016 9:35 AM (5 minutes)

Presenter: Mr HENDERSON, James (Oxford University)

Session Classification: Session 1: Posters & Poster Talks

Contribution ID: 25

Type: **not specified**

Towards an EOM-based Laser Arrival Monitor

Thursday, October 20, 2016 9:40 AM (5 minutes)

Presenter: ROMANN, Albert (PSI)

Session Classification: Session 1: Posters & Poster Talks

Contribution ID: 26

Type: **not specified**

Increasing the Sensitivity of Electro-optic Sampling Using Brewster Plates: Application to Photonic Time Stretch

Thursday, October 20, 2016 9:45 AM (5 minutes)

Presenter: Prof. BIELAWSKI, Serge (PhLAM, Université Lille 1 (France))

Session Classification: Session 1: Posters & Poster Talks

Contribution ID: 27

Type: **not specified**

Electro-Optic Transposition - Progress Update

Thursday, October 20, 2016 9:50 AM (5 minutes)

Presenter: WASLH, David (University of Dundee)

Session Classification: Session 1: Posters & Poster Talks

Contribution ID: 28

Type: **not specified**

Status of EO Measurements at ANKA

Thursday, October 20, 2016 9:55 AM (5 minutes)

Presenter: SCHÖNFELDT, Patrik (KIT)

Session Classification: Session 1: Posters & Poster Talks

Contribution ID: 29

Type: **not specified**

SwissFELOverview

Thursday, October 20, 2016 11:00 AM (20 minutes)

Presenter: Dr ISCHEBECK, Rasmus (Paul Scherrer Institut)

Session Classification: Session 2: Status Talks

Contribution ID: **30**

Type: **not specified**

Status European XFEL and Overview on Longitudinal Diagnostics

Thursday, October 20, 2016 11:20 AM (20 minutes)

Presenter: Dr GERTH, Christopher (DESY)

Session Classification: Session 2: Status Talks

Contribution ID: **31**

Type: **not specified**

Status of FLUTE

Thursday, October 20, 2016 11:40 AM (15 minutes)

Presenter: Dr NASSE, Michael (Karlsruhe Institute of Technology)

Session Classification: Session 2: Status Talks

Contribution ID: 32

Type: **not specified**

Overview of the Laser Synchronisation and Fibre Laser Systems within the Community

Thursday, October 20, 2016 11:55 AM (15 minutes)

Presenter: SMALE, Nigel John (KIT)

Session Classification: Session 2: Status Talks

Contribution ID: 33

Type: **not specified**

EOD@EuropeanXFEL

Thursday, October 20, 2016 12:10 PM (20 minutes)

Presenter: Dr STEFFEN, Bernd (DESY)

Session Classification: Session 2: Status Talks

Contribution ID: **34**

Type: **not specified**

Attosecond FELs by Neil Thompson

Thursday, October 20, 2016 1:30 PM (45 minutes)

Session Classification: Session 3: Talks

Contribution ID: 35

Type: **not specified**

From Sub-ps to fs-resolution - Where We Are and What Needs To Be Done

Thursday, October 20, 2016 2:15 PM (15 minutes)

Presenter: SCHLOTT, Volker (PSI)

Session Classification: Session 3: Talks

Contribution ID: 36

Type: **not specified**

Challenges Brainstorming & Collaboration Proposals

Thursday, October 20, 2016 2:30 PM (1 hour)

Session Classification: Session 3: Talks

Contribution ID: 37

Type: **not specified**

Diffraction Radiation Monitor at SwissFEL

Thursday, October 20, 2016 3:45 PM (5 minutes)

Presenter: Dr HILLER, Nicole (PSI)

Session Classification: Session 4: Posters & Poster Talks

Contribution ID: **38**

Type: **not specified**

THz Cherenkov Radiation Mediated by Surface Plasmon Polariton Modes

Thursday, October 20, 2016 3:50 PM (5 minutes)

Presenter: LETIZIA, Rosa (Lancaster University/Cockcroft Institute)

Session Classification: Session 4: Posters & Poster Talks

Contribution ID: 39

Type: **not specified**

Synchrotron Radiation Monitors: Status and Perspectives at SwissFEL

Thursday, October 20, 2016 3:55 PM (5 minutes)

Presenter: ORLANDI, Gian Luca (PSI)

Session Classification: Session 4: Posters & Poster Talks

Contribution ID: 40

Type: **not specified**

Electron Bunch Length Characterization at the Metrology Light Source Using THz Radiation

Thursday, October 20, 2016 4:00 PM (5 minutes)

Presenter: POHL, Andreas (HU Berlin)

Session Classification: Session 4: Posters & Poster Talks

Contribution ID: 41

Type: **not specified**

Status of Kalypso System

Thursday, October 20, 2016 4:05 PM (5 minutes)

Presenter: Dr CASELLE, Michele (KIT)

Session Classification: Session 4: Posters & Poster Talks

Contribution ID: 42

Type: **not specified**

Kapture: Fast Picosecond Sampling System for THz Detectors - Update

Thursday, October 20, 2016 4:10 PM (5 minutes)

Presenter: Dr CASELLE, Michele (KIT)

Session Classification: Session 4: Posters & Poster Talks

Contribution ID: 43

Type: **not specified**

Integrated THz Spectrometer Based on Ultra-fast YBCO Detectors

Thursday, October 20, 2016 4:15 PM (5 minutes)

Presenter: Mr SCHMID, Alexander (Karlsruher Institut für Technologie - Institut für Mikro- und Nanoelektronische Systeme)

Session Classification: Session 4: Posters & Poster Talks

Contribution ID: 44

Type: **not specified**

Use of Industrial Semiconductor Processes for THz Detectors

Thursday, October 20, 2016 4:20 PM (5 minutes)

Presenters: LAABS, Martin (TU Dresden); Dr NEUMANN, Niels (TU Dresden, Chair for RF and Photonics Engineering)

Session Classification: Session 4: Posters & Poster Talks

Contribution ID: 45

Type: **not specified**

THz Detector Development at RAL

Thursday, October 20, 2016 4:25 PM (5 minutes)

Session Classification: Session 4: Posters & Poster Talks

Contribution ID: 46

Type: **not specified**

Posters

Thursday, October 20, 2016 4:30 PM (30 minutes)

Session Classification: Session 4: Posters & Poster Talks

Contribution ID: 47

Type: **not specified**

Discussion

Thursday, October 20, 2016 5:00 PM (45 minutes)

Session Classification: Session 4: Posters & Poster Talks

Contribution ID: 48

Type: **not specified**

Posters

Thursday, October 20, 2016 10:00 AM (30 minutes)

Session Classification: Session 1: Posters & Poster Talks

Contribution ID: 49

Type: **not specified**

Reports From Groups

Contribution ID: 50

Type: **not specified**

Reports From Groups

Friday, October 21, 2016 9:00 AM (15 minutes)

Session Classification: Session 5a: Reports Back From Challenges Groups

Contribution ID: 51

Type: **not specified**

Discussion

Friday, October 21, 2016 9:15 AM (45 minutes)

Session Classification: Session 5a: Reports Back From Challenges Groups

Contribution ID: 52

Type: **not specified**

Novel Coherent Diffraction Radiation Bunch Length Diagnostics

Friday, October 21, 2016 10:00 AM (5 minutes)

Presenter: FIORITO, Ralph (University Liverpool)

Session Classification: Session 5b: Posters & Poster Talks

Contribution ID: 53

Type: **not specified**

Terahertz Sources For Particle Acceleration and Deflection

Friday, October 21, 2016 10:05 AM (5 minutes)

Presenter: LAKE, Daniel (Universtiy of Manchester)

Session Classification: Session 5b: Posters & Poster Talks

Contribution ID: 54

Type: **not specified**

The Split Ring Resonator Experiment

Friday, October 21, 2016 10:10 AM (5 minutes)

Presenter: YAN, Minjie (DESY)

Session Classification: Session 5b: Posters & Poster Talks

Contribution ID: 55

Type: **not specified**

THz Driven Deflector for Longitudinal Diagnostics

Friday, October 21, 2016 10:15 AM (5 minutes)

Presenter: Dr JAMISON, Steven (STFC)

Session Classification: Session 5b: Posters & Poster Talks

Contribution ID: 56

Type: **not specified**

Design Concept For a THz Driven Streak Camera With Femtosecond Resolution

Friday, October 21, 2016 10:20 AM (5 minutes)

Presenter: HAYATI, Mozghan (University of Bern)

Session Classification: Session 5b: Posters & Poster Talks

Contribution ID: 57

Type: **not specified**

Posters

Friday, October 21, 2016 10:25 AM (20 minutes)

Session Classification: Session 5b: Posters & Poster Talks

Contribution ID: 58

Type: **not specified**

Terahertz Magneto-spectroscopy Using Asynchronous Sampling

Friday, October 21, 2016 11:00 AM (50 minutes)

Presenter: GRAHAM, Darren (University of Manchester)

Session Classification: Session 6: Plenary Talk