

WP13 EuPRAXIA electron and photon diagnostics

Report of Contributions

Contribution ID: 1

Type: **not specified**

Introduction to EuPRAXIA

Monday, 12 June 2023 09:40 (15 minutes)

Session Classification: Electron diagnostics

Contribution ID: 2

Type: **not specified**

Introduction to the workshop

Monday, 12 June 2023 09:30 (10 minutes)

Session Classification: Electron diagnostics

Contribution ID: 3

Type: **not specified**

Requirements on electron beam instrumentation for beam dynamics and operation of a free electron laser

Monday, 12 June 2023 09:55 (30 minutes)

Presenter: PRAT, Eduard (Paul Scherrer Institut)

Session Classification: Electron diagnostics

Contribution ID: 4

Type: **not specified**

Diagnostics for a plasma wakefield accelerator

Monday, 12 June 2023 11:30 (30 minutes)

Presenter: HOGAN, Mark (SLAC National Accelerator Laboratory)

Session Classification: Electron diagnostics

Contribution ID: 5

Type: **not specified**

Diagnostics for PWFA

Session Classification: Electron diagnostics

Contribution ID: 6

Type: **not specified**

Diagnostics for LWFA

Monday, 12 June 2023 11:00 (30 minutes)

Presenter: KALUZA, Malte (University of Jena, Helmholtz-Institute Jena)

Session Classification: Electron diagnostics

Contribution ID: 7

Type: **not specified**

Orbit & Charge

Monday, 12 June 2023 12:00 (30 minutes)

Presenter: KEIL, Boris (Paul Scherrer Institut)

Session Classification: Electron diagnostics

Contribution ID: 8

Type: **not specified**

time-resolved diagnostics: TDC

Monday, 12 June 2023 14:30 (25 minutes)

Presenter: CRAIEVICH, Paolo (Paul Scherrer Institut)

Session Classification: Electron diagnostics

Contribution ID: 9

Type: **not specified**

time-resolved diagnostics: coherent radiation

Monday, 12 June 2023 14:55 (25 minutes)

Presenter: LABERGE, Maxwell (HZDR)

Session Classification: Electron diagnostics

Contribution ID: **10**

Type: **not specified**

time-resolved diagnostics: EOS

Monday, 12 June 2023 15:20 (25 minutes)

Presenter: ROUSSEL, Eleonore (University of Lille.)

Session Classification: Electron diagnostics

Contribution ID: **11**

Type: **not specified**

Intro Workshop, organizational aspects

Tuesday, 13 June 2023 09:30 (10 minutes)

Presenter: ISCHEBECK, Rasmus (PSI)

Session Classification: X rays Photon Diagnostics

Contribution ID: 12

Type: **not specified**

Requirements on X-ray diagnostics for undulator commissioning

Tuesday, 13 June 2023 09:40 (30 minutes)

Presenter: CALVI, Marco (PSI)

Session Classification: X rays Photon Diagnostics

Contribution ID: **13**

Type: **not specified**

Overview: LCLS

Tuesday, 13 June 2023 10:10 (30 minutes)

Presenter: MOELLER, Stefan (Stanford Linear Accelerator Center)

Session Classification: X rays Photon Diagnostics

Contribution ID: 14

Type: **not specified**

Requirements specific to EuPRAXIA

Monday, 12 June 2023 10:25 (20 minutes)

Presenter: CIANCHI, Alessandro (Tor Vergata University and INFN)

Session Classification: Electron diagnostics

Contribution ID: 15

Type: **not specified**

Radiation safety considerations

Session Classification: Electron diagnostics

Contribution ID: **16**

Type: **not specified**

pulse energy and online position measurement

Session Classification: X rays Photon Diagnostics

Contribution ID: 17

Type: **not specified**

Soft X-Rays: Fermi case

Tuesday, 13 June 2023 11:00 (25 minutes)

Presenter: ZANGRANDO, Marco (Elettra - Sincrotrone Trieste and IOM-CNR)

Session Classification: X rays Photon Diagnostics

Contribution ID: **18**

Type: **not specified**

Profile monitors, Pulse length, Focal spot and wavefront characterization

Tuesday, 13 June 2023 11:25 (40 minutes)

Presenter: DUESTERER, Stefan (Deutsches Elektronen-Synchrotron)

Session Classification: X rays Photon Diagnostics

Contribution ID: **19**

Type: **not specified**

Focal spot and wavefront characterization

Session Classification: X rays Photon Diagnostics

Contribution ID: **20**

Type: **not specified**

Spectrum: soft X-rays

Session Classification: X rays Photon Diagnostics

Contribution ID: 21

Type: **not specified**

Gas-based spectrometer

Session Classification: X rays Photon Diagnostics

Contribution ID: 22

Type: **not specified**

Beam profile monitors for electron beams

Monday, 12 June 2023 12:30 (30 minutes)

Presenter: KIM, Changbum (Pohang Accelerator Laboratory)

Session Classification: Electron diagnostics

Contribution ID: 23

Type: **not specified**

Losses, radiation protection

Session Classification: Electron diagnostics

Contribution ID: 24

Type: **not specified**

Measurement and shaping of electron bunches with THz structures

Monday, 12 June 2023 16:40 (25 minutes)

Presenter: MATLIS, Nicholas

Session Classification: Electron diagnostics

Contribution ID: 25

Type: **not specified**

Discussion

Session Classification: Electron diagnostics

Contribution ID: 26

Type: **not specified**

advanced lasing modes

Session Classification: Electron diagnostics

Contribution ID: 27

Type: **not specified**

tbd

Session Classification: Electron diagnostics

Contribution ID: 28

Type: **not specified**

Spectrum: hard X-rays

Tuesday, 13 June 2023 14:10 (25 minutes)

Presenter: GRUENERT, Jan (European XFEL)

Session Classification: X rays Photon Diagnostics

Contribution ID: 29

Type: **not specified**

Polarization

Tuesday, 13 June 2023 14:35 (20 minutes)

Presenter: SARRACINI, Antoine (Paul Scherrer Institut)

Session Classification: X rays Photon Diagnostics

Contribution ID: **30**

Type: **not specified**

Measurement of X-ray arrival time and pulse length

Tuesday, 13 June 2023 14:55 (20 minutes)

Presenter: CAVALIERI, Adrian (Paul Scherrer Institute)

Session Classification: X rays Photon Diagnostics

Contribution ID: **31**

Type: **not specified**

Measurement of micrometer beam size

Monday, 12 June 2023 15:45 (25 minutes)

Presenter: BORRELLI, Simona (TU/Eindhoven)

Session Classification: Electron diagnostics