



Satellite Workshop on Photon Beam Diagnostics

29 January 2015, 14h

University Hamburg Auditorium

European XFEL Users' Meeting 2015



- The Satellite Workshop is part of the European XFEL Users' Meeting
- Workshop Organizers
 - Jan Grünert (European XFEL)
 - Marco Zangrando (FERMI@elettra)
 - European XFEL Users' Meeting Organization
- Goals
 - to bring together the experts in FEL Photon Diagnostics
 - to strengthen existing collaborations and create new ones
 - to share the latest progress but also to discuss new experimental methods and instrumentation that seems suited to be used as FEL photon beam diagnostics
 - inform about progress in this field at the European XFEL facility
 - discussions, exchange of ideas
- 128 registered workshop participants !
Please write your **name** on the **Attendance** Lists (+email if you like)



■ Programme (first session)

| | | | |
|--------------|---|--------------------|-------------------------------|
| 13:50 | Coffee | | |
| 14:00 | Welcome | Jan Grünert | <i>European XFEL, Hamburg</i> |
| 14:05 | Wigner distribution measurement of the spatial coherence properties of FLASH | Tobias Mey | <i>LLG, Göttingen</i> |
| 14:25 | Current status of single-shot pulse-length metrology using autocorrelation techniques | Dimitrios Rompotis | <i>University of Hamburg</i> |
| 14:50 | Development of on-line spectral and timing diagnostics at SwissFEL | Pavle Juranić | <i>PSI, Villigen</i> |
| 15:15 | THz streaking: technical and scientific applications | Adrian Cavalieri | <i>CFEL, Hamburg</i> |
| 15:40 | X-ray optics & diagnostics at SACLA and applications to CDI | Changyong Song | <i>RIKEN, Japan</i> |
| 16:05 | Coffee Break | | |



■ Programme (second session)

| | | | |
|--------------|---|----------------------|-------------------------------|
| 16:05 | Coffee Break | | |
| 16:30 | Polarization monitoring of FEL radiation | Jens Buck | <i>European XFEL, Hamburg</i> |
| 16:55 | Gas Based Detectors for FEL Photon Diagnostics | Kai Tiedtke | <i>DESY-FS, Hamburg</i> |
| 17:20 | FERMI laser seeding system: general description and latest developments | Alexander Demidovich | <i>FERMI@elettra, Triest</i> |
| 17:45 | A Fast Switching Mirror to precisely direct Photon Beams | Martin Sachwitz | <i>DESY, Zeuthen</i> |
| 18:10 | Discussion / Summary | Jan Grünert | <i>European XFEL, Hamburg</i> |
| | | Marco Zangrando | <i>FERMI@elettra, Triest</i> |
| 18:30 | Closeout | | |



- Posters by the X-ray photon diagnostics group (WP74):

| # | Title | Presenter |
|-----|---|-----------|
| 91 | Design and Tests of X-ray Beam Diagnostic Imagers for the European XFEL | A.Koch |
| 92 | Status of the K-monochromator system for undulator commissioning | W.Freund |
| 94 | Status of Mechanical Design of Diagnostic Devices | M.Planas |
| 118 | Hard X-ray High Resolution Single-shot Spectrometer for X-ray Photon Diagnostics at the European XFEL | N.Kujala |



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Let's start !