

Compact attosecond X-ray sources and their applications



X-band to THz driven Compact X-ray Sources

- * THz generation
- * optical undulators
- * x-band table-top sources
- * compact FELs

Laser driven Compact X-ray Sources

- * 5th gen light sources
- * laser wakefield accelerators
- * Ultracold beams
- * ICS sources
- * dielectric accelerators

Instrumentation and Diagnostics

- * photocathodes
- * x-ray optics
- * detectors

Applications in Biology

- * Laue crystallography
- * protein structure
- * photosynthesis
- * ultrafast spectroscopy

Chemistry, Physics and Material Sciences

- * phase contrast imaging
- * attosecond electron diffraction
- * attosecond chemistry
- * atomic physics
- * coherent imaging

Workshop
19-21 July, 2015

Lab tours
22 July, 2015

Location:
DESY, CFEL
Notkestrasse 85
22607 Hamburg
seminar rooms I-II
Building 99

More information and registration at:

<https://indico.desy.de/event/CoAXSA>

