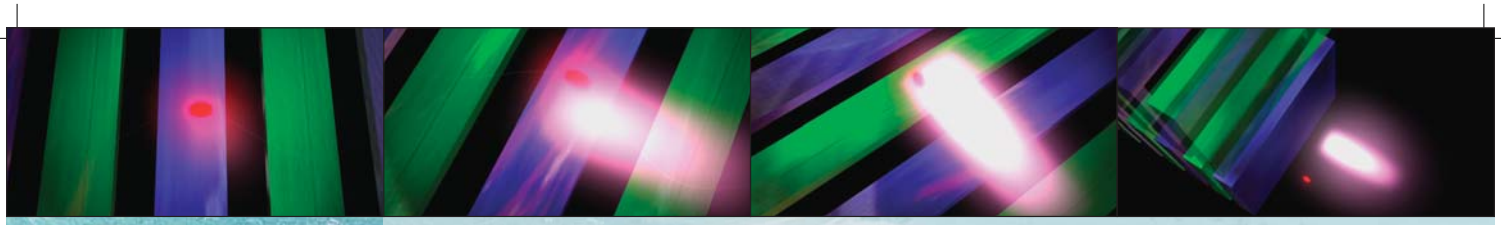

March 16-18, 2005 at DESY, Hamburg

Research Courses on New X-Ray Sciences

New Science in the VUV to Soft X-Ray Domain

- State-of-the-art sources for VUV to Soft X-ray radiation
- Instrumentation and photon diagnostics for FELs
- Scientific applications for atoms, ions, clusters and plasmas
- Solid-state and surface physics

Free-electron lasers for short-wavelength radiation are a new light source providing extremely high brilliance radiation. These novel sources allow for new experimental techniques, therefore enabling new science to be investigated. The courses shall provide basic knowledge about new directions of X-ray research and address Diploma and PhD students and young research fellows. Detailed information about the program and how to apply can be found on the web.

This 4th course is devoted to applications of FEL radiation in the VUV to Soft X-ray regime becoming available at the VUV-FEL at DESY in 2005. The number of participants is limited. Applications for this course should be made not later than **February 1, 2005**.

Lecturers:
S. Düsterer (DESY)
M. Fajardo (IST Lisbon)
J. Feldhaus (DESY)
L. Kipp (University Kiel)
M. Marsi (ELETTRA Trieste)
M. Meyer (LURE Orsay)
R. Moshammer (MPI Kernphysik)
J.-E. Rubensson (University Uppsala)
K. Starke (FU Berlin)
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Spring 2006	Scientific Applications of Coherent X-ray Radiation
Spring 2007	X-ray Investigation of Fast and Ultrafast Processes
Spring 2008	New Perspectives for Materials Science and Nanomaterials

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