


Spring 2006

V. Research Course on New X-Ray Sciences



March 1-3,
2006 at DESY,
Hamburg

Scientific Applications of Coherent X-Ray Radiation

- Coherence properties of storage ring and FEL sources
- Scientific applications of coherent X-rays
- Experimental challenges and future possibilities

Free-electron lasers for short-wavelength radiation are new light sources 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 5th course is devoted to coherent X-ray radiation. Novel experimental techniques and key scientific applications will be discussed. The number of participants is limited. Applications for this course should be made not later than **February 1, 2006.**

Lecturers:

A. Dogariu (University Central Florida)
G. Geloni (DESY)
M. Giglio (University Milano)
J. Hajdu (University Uppsala)
A. Hemmerich (University Hamburg)
M.C. Howells (LBL Berkeley)
G. Huber (University Hamburg)
B. Lengeler (RWTH Aachen)
S. Marchesini (LLNL Livermore)
S. Mochrie (Yale University)
K. Nugent (University Melbourne)
P. Pusey (University Edinburgh)

Scientific Chairs:

G. Grübel (DESY)
B. Lengeler (RWTH Aachen)

Organisation:

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Spring 2007

X-Ray Investigation of Ultrafast Processes

Spring 2008

New Perspectives for Materials Science and Nanomaterials



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www-hasylab.desy.de/conferences/Xray-Course