Workshop – Emerging Sources

2007-05-07

New and emerging sources of intense beams of particles and short-wavelength radiation

Lund, Sweden, 11-13 June 2007

The European I3:s on Synchrotron and Free Electron Laser Science "I3-IA-SFS" and Laser Infrastructures "Laserlab Europe" are jointly organizing a workshop bringing together members from the accelerator science and the laser science communities.

Bridge the gaps

New concepts and emerging sources for intense particle beams and short-wavelength radiation will be discussed, with the aim to bridge the gaps in terminology and the visions of the two communities and to identify areas of common research with participation from both fields.

Visionary presentations

The program is based on visionary presentations by invited experts from the two communities and panel discussions led by **Wolfgang Sandner**, Laserlab-Europe.

The speakers include:
Elaine Seddon 4GLS, **Gérard Mourou** Ultra intense lasers, **Janos Hajdu** Ultra fast diffraction, **Dino Jaroszynski** Laser-based acceleration and FEL, **Steve Milton** ANL LCLS project, **Joseph Feldhaus** FLASH coordinator, **Marc Vrakking** Ultra fast X-UV sources and application, **Nils Mårtensson** MAX IV, **Philippe Zeitoun** Coherent X-ray sources and applications, **Bedrich Rus** X-ray lasers, **Fabien Quéré** High-Order Harmonics, **Marie-Emanuelle Couprie** HHG Seeding, **Romain Ganter** Field emission cathodes, **John Collier** OPCPA and the VULCAN 10 PW upgrade.

Organizers

The Workshop is arranged jointly by MAX-lab and the Lund Laser Centre, representing IA-SFS and Laserlab-Europe, respectively. Information and registration form is available on our website: www.maxlab.lu.se/emergingsources

Topics include

Laser-based plasma acceleration
Novel Free Electron Lasers
Seeding
High-order harmonics
Soft X-ray lasers
Atto second pulses
among others ...

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