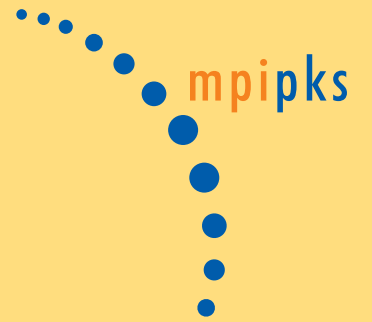




International Workshop on
Laser-Plasma Interaction at Ultra-High Intensity
2nd Dresden Exchange on Laser-Plasma Interaction Theory
ENLITE



16 - 20 April 2012

Scientific coordination

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Organisation

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Summary:

Laser-plasma interaction at ultra-high intensities is one of today's hot topics in plasma physics. Around the globe, new laser facilities are being built opening new paths towards a wide range of applications such as laser-driven particle acceleration, novel radiation sources, fast ignition for inertial fusion, hadron-therapy. To trigger and sustain such developments, a deep theoretical understanding of laser-plasma interaction is necessary. This understanding relies on analytical models as well as on intensive realistic numerical simulations. It is the aim of this workshop to stimulate and discuss the recent progress in this field.

Focus topics:

Laser-driven ion acceleration
Laser-driven electron acceleration
Laser facilities and related projects
Numerical development and new physics at ultra-high intensities
Applications of laser-plasma interactions at ultra-high intensities

List of invited speakers

T. Cowan (Dresden, Germany)
P. Gibbon (Jülich, Germany)
A. Pukhov (Düsseldorf, Germany)

W. Sandner (Berlin, Germany)
L. Silva (Lisbon, Portugal)
V. T. Tikhonchuk (Bordeaux, France)

Applications for participation and poster contributions are welcome and should be made by using the application form on the event's web page (please see URL below). The number of attendees is limited. The **registration fee** for the event is **120 €** and should be paid by all participants. Costs for accommodation and meals will be covered by the Max Planck Institute for the Physics of Complex Systems. Limited funding is available to partially cover travel expenses. Please note that childcare is available upon request.

Deadline for registration is December 20, 2011.



For further information please contact:

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