Optik/Photonik Kolloquium

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Thema: **Mathematics and physics behind short pulses in optical fibers**

Zeit: **Donnerstag, 8. November 2012, 13:15 Uhr**

Ort: **Lehrgebäude Chemie-Physik, Newtonstr. 14, Raum 0'05**

Abstract:
Propagation of short pulses in special optical fiber arrangements is in the center focus of modern nonlinear optics. Recent progress in generation of few-cycle and sub-cycle pulses enhanced interest to underlying mathematics, e.g., use of nonlocal propagation equations and proper definition of the pulse envelope as such. On the physical side, many novel exiting applications have been found, including optical realization of event horizons and optical rogue waves.

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