

Institutskolloquium

Am Mittwoch, den **03. September 2008, 16.00 Uhr** spricht:

Prof. Dr. André Mysyrowicz
ENSTA, Ecole Polytechnique
Laboratoire d'optique appliquée, Palaiseau, France

über

“Nonlinear propagation of intense ultrashort laser pulses in transparent media ”

Because of its high peak power, a femtosecond laser pulse even with a modest energy drives a transparent medium through which it propagates into a highly non linear regime. This leads to spectacular effects such as the transmission of high peak laser intensities over long distances in atmosphere and the formation of plasma channels (filaments) in air. The basic effects leading to filamentation as well as several applications exploiting filamentation will be described.

Ort: Max-Born-Saal, MBI, Max-Born-Str. 2a

Interessenten und Gäste sind herzlich eingeladen.

Prof. Dr. T. Elsässer