



Seminar Höchstfeldlaserphysik

Am Mittwoch, **1. November 2006 um 14:00 Uhr** spricht:

Dr. Karoly Osvay

MBI

über

“Focusing of high power ultrashort Gaussian pulses: optimal target positioning and temporal contrast “

Abstract: A broad bandwidth Gaussian beam is achromatically focused through a circular aperture positioned at the output pupil of the focusing optics. When the beam is converging towards and diverging from the focus, an intensity sub-peak, resulted from the boundary waves, occurs on the optical axis behind and before the main pulse, respectively. The intensity of this boundary pulse is inversely proportional to the size of the aperture, that is, with the spatial truncation of the beam. There is an optimal choice of aperture size and target position at which the focused intensity can substantially enhance that of the untruncated beam.

Ort: Seminarraum 2.6, Geb. B, MBI, Max-Born-Str. 2a

Interessenten sind herzlich eingeladen.

Prof. Dr. W. Sandner