



# Institutskolloquium

Am Mittwoch, 14. März 2007, 16:00 Uhr spricht:

**Prof. Dr. Anne L'Huillier**

**University Lund  
Department of Physics**

über

## “Generation of Attosecond Pulse Trains and Applications”

I will review the physics of high-order harmonic generation in gases, and explain how in some conditions, trains of attosecond pulses of extremely short duration (130 as) are produced. Techniques to frequency shape and tune attosecond pulses as well as to manipulate attosecond pulse trains will be presented.

Applications of these pulse trains are emerging. I will present applications of attosecond pulse trains to wave-packet interferometry, control of ionization dynamics on the attosecond time scale and stroboscopic measurements of electron motion.

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

Interessenten sind herzlich eingeladen.

Prof. Dr. W. Sandner