

**Ceremonial Talk**

PSV IV Tue 16:00 HS 1+2

**Lise-Meitner-Lecture: Attosecond pulses of light for studying electron dynamics** — ●ANNE L'HUILLIER — Department of Physics, Lund University, Lund, Sweden

When an intense laser interacts with a gas of atoms, high-order har-

monics are generated. In the time domain, this radiation forms a train of extremely short light pulses, of the order of 100 attoseconds. Attosecond pulses allow the study of the dynamics of electrons in atoms and molecules, using pump-probe techniques. This presentation will highlight some of the key steps of the field of attosecond science.