

# Fundamentals of attosecond science

*Monday, 29 August 2022 13:45 (2 hours)*

After a brief historical perspective on the field of harmonic generation in gases, an introduction to the physics of the process will be given covering the single atom response and phase matching. The presentation will also discuss laser-assisted photoionization, used both for measurement and application of attosecond pulses.

**Primary author:** L'HUILLIER, Anne (Lund University, Lund, Sweden)

**Presenter:** L'HUILLIER, Anne (Lund University, Lund, Sweden)

**Session Classification:** Summer School 5: Anne L'Huillier - Fundamentals of attosecond science