The scientific scope of Ultrafast Science research unit (D4 - Prof. D. Turchinovich, Prof. W. Pfeiffer) is the studies of dynamics of electrons, lattice, and spins in condensed matter on the ultrafast timescales ranging from attoseconds ($10^{-18}$ s) to picoseconds ($10^{-12}$ s). Advanced experimental techniques used in our research unit range from attosecond XUV spectroscopy to femtosecond nano-optics to terahertz spectroscopy, implemented in many different modalities. All our research methods rely on highly-elaborate femtosecond laser infrastructure, established within the research unit.

Ultrafast Science  
Bielefeld University, Department of Physics  
Universitätsstrasse 25  
33615 Bielefeld  
Germany  

Phone: +49 521 106 5467

---

**Group Admin**

[**A. Kay Lofthouse**](#)

D4 Ultrafast Science  
Bielefeld University
Faculty of Physics / BINAS
Universitaetsstrasse 25
33615 Bielefeld, Germany
Office: UHG D4-217
Tel.: +49 (521) 106 - 54 67
Fax: +49 (521) 106 - 60 01
Email: AKLofhouse@physik.uni-bielefeld.de