

SCIENCE LUNCH

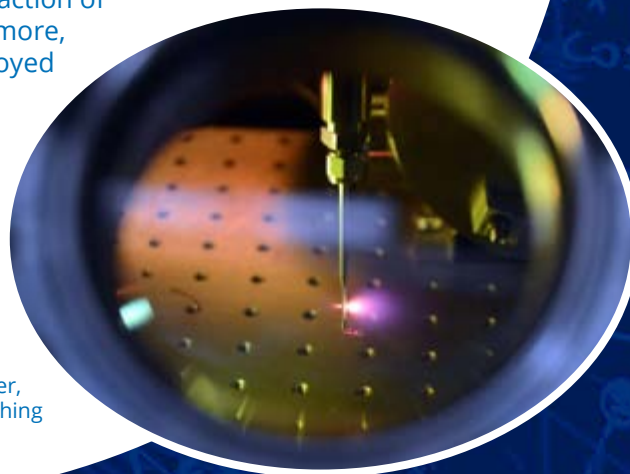
January 18, 2024
12:00 — 13:00
Lecture hall SOLID21

The Nobel Prize in Physics 2023: high-order harmonics and attosecond pulse generation

Ing. Jaroslav Nejdl, Ph.D.

This year, the Nobel Prize in Physics was awarded to a trio of physicists for their experimental work in the field of generating high-order harmonic generation and isolated attosecond pulses. In this seminar, we will introduce the physical principles of generating such pulses, utilizing the interaction of powerful femtosecond lasers with rare gases. Furthermore, we will outline how the generated pulses can be employed to study the very rapid dynamics of electron shells in atoms and molecules or for the direct measurement of evolution of the electromagnetic field in the visible part of the spectrum.

Photo:
Thorsten Naeser,
LAP, MPQ Garching



During the event you can meet with other colleagues from FZU, discover new topics, exchange ideas and enjoy lunch. Food and drink will be provided.

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