

IMPRS UFAST core course Source Technology

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Abstract:

This core course introduces the fundamentals and technical aspects of state-of-the-art pulsed light and electron sources.

We will cover the concepts of:

- femtosecond oscillators
- frequency combs
- chirped pulse amplification
- optical parametric amplification
- THz frequency conversion (optical rectification and difference frequency mixing)
- modern sources of ultrashort electron pulses
- ultrafast electron diffraction



30th November – 4th December 2020 09:30h - 12:30h Seminar room (tba)
Register on Geventis I-UF C2