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Temporal compression of ultrashort pulses: principles and technology

Monday, 29 August 2022 10:30 (2 hours)

We introduce the fundamental principles and review experimental implementations of temporal compression setups based on self-phase modulation. For each platform, such as fibers, capillaries, multiplate setups or multipass cells, we try to outline the design principles, the advantages, and the limitations in terms of pulse parameters.

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