

Optimization of the temporal quality of ultrafast pulses using dispersion scan based on tunable chirped fiber Bragg gratings

Thursday, 1 September 2022 17:45 (15 minutes)

By using the dispersion scan technique based on tunable chirped fiber Bragg gratings, the 650 ps pulses can be compressed to ~650 fs with optimized pedestals. This method allows reliable pulse-characterization and optimization without movable parts and therefore improve the stability of a laser system used in 24/7 operation.

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Session Classification: FWD 4 Spectral control and tuning