

Pulse broadening and compression at 515 nm in a multi-pass cell

Tuesday, 30 August 2022 12:00 (2 hours)

Frequency-doubled 220 fs laser pulses at 515 nm are spectrally broadened and compressed in a multipass cell down to 38 fs using solid and gas as nonlinear media. The efficiency of this process is 90 %. This is the first demonstration of multipass spectral broadening and compression in green.

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