

Towards Carrier-Envelope Phase Stabilization of a 110 MW Thin-Disk Oscillator

Thursday, 1 September 2022 12:00 (2 hours)

Here, the beat signal detection towards carrier-envelope phase stabilization of a 110 MW Kerr-lens mode-locked thin-disk oscillator delivering 140 fs-long pulses is presented. The implementation of an f-2f interferometer is demonstrated using an octave-spanning spectrum from a cascade with a multi-pass cell and photonic-crystal fiber.

Primary author: KOPP, Yasmin (Helmut Schmidt University, Hamburg, Germany)

Presenter: KOPP, Yasmin (Helmut Schmidt University, Hamburg, Germany)

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