

Environmentally Stable Harmonic Modelocked All-Fibre Oscillator

Tuesday, 30 August 2022 18:35 (10 minutes)

We present an environmentally stable laser oscillator, mode-locked through nonlinear-polarisation evolution, that is entirely based on polarisation-maintaining fibres, except for the Yb-doped gain fibre. The laser is reliably operated at the fourth harmonic repetition rate, at 250 MHz, with output pulse energies of 1 nJ.

Primary authors: LAÇIN, Mesut (Department of Physics, Bilkent University, Ankara); REPGEN, Paul (Department of Physics, Bilkent University, Ankara); ILDAY, F. Ömer

Presenter: REPGEN, Paul (Department of Physics, Bilkent University, Ankara)

Session Classification: Postdeadline Session