

Spectral Band-Pass Filtering to Reduce the Impact of Higher Order Dispersion in Fibre-Based Laser Amplifiers

Thursday, 1 September 2022 18:00 (15 minutes)

High repetition rates in fiber-based laser systems can be achieved through multiplication in asymmetric Mach-Zehnder interferometers. We utilize a spectral band-pass filter to reduce the asymmetric dispersion that is accumulated in the different paths to increase the compressibility of the pulses.

Primary authors: REPGEN, Paul (Department of Physics, Bilkent University, Ankara, Turkey); LACIN, Mesut (Department of Physics, Bilkent University, Ankara, Turkey); MAGHSOUDI, Amirhossein (Department of Physics, Bilkent University, Ankara, Turkey); ILDAY, Ömer (Department of Physics, Bilkent University, Ankara, Turkey)

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

Session Classification: FWD 4 Spectral control and tuning