## Conversion of Mode-Locked States within an Optical Cavity

Wednesday, 31 August 2022 11:30 (15 minutes)

The conversion of longitudinal mode-locked beam to a transversal mode-locked beam is equivalent to the conversion of temporal pulses to a spatiotemporal oscillation. This is achieved by matching the frequency spacing of incident phase-locked longitudinal modes and the transverse mode spacing of an optical cavity.

**Primary authors:** ZWILICH, Michael (University of Münster, Institute of Applied Physics, Münster, Germany); SCHEPERS, Florian (University of Münster, Institute of Applied Physics, Münster, Germany); FALLNICH, Carsten (University of Münster, Institute of Applied Physics, Münster, Germany)

Presenter: ZWILICH, Michael (University of Münster, Institute of Applied Physics, Münster, Germany)

Session Classification: SSL 4 Short pulse generation & amplification