24th Australian Institute of Physics Congress



Contribution ID: 774 Type: Poster

Coherent multi-mode dynamics of Terahertz Quantum Cascade Lasers in Fabry Perot configuration

Tuesday 13 December 2022 18:45 (15 minutes)

Quantum cascade lasers emitting frequency combs are of interest due to the variety of novel applications they could support. Here we present a numerical study about the self-generation of these combs in the terahertz region.

Primary author: SILVESTRI, Carlo (The University of Queensland)

Co-authors: RAKIĆ, Aleksandar (The University of Queensland); BERTLING, Karl (The University of Queens-

land)

Presenter: SILVESTRI, Carlo (The University of Queensland)

Session Classification: Poster session

Track Classification: COMMAD: COMMAD: Photonic integrated circuits, semiconductor lasers,

LEDs, photodetectors, and modulators