

Session Title:	[Mo1H] Solid-State Lasers I
Session Date:	August 5 (Mon.), 2024
Session Time:	10:30-12:00
Session Room:	Room H (117)
Session Chair(s)	Prof. Weidong Chen (Chinese Academy of Sciences, China)

[Mo1H-1] 10:30-10:45

Sub-40-fs Diode-pumped Mode-locked Yb:CaF₂ Laser

Zhi-Qiang Li, Wen-Ze Xue (Fujian Inst. of Research on the Structure of Matter, Chinese Academy of Sciences, China), Pavel Loiko (Univ. de Caen, France), Zhang-Lang Lin, Huang-Jun Zeng, Hai-Yu Nie, Ge Zhang (Fujian Inst. of Research on the Structure of Matter, Chinese Academy of Sciences, China), Simone Normani, Abdelmjid Benayad, Patrice Camy (Univ. de Caen, France), Xavier Mateos (Univ. Rovira i Virgili, Spain), Hsing-Chih Liang (Nat'l Yang Ming Chiao Tung Univ., Taiwan), Valentin Petrov (Max Born Inst. for Nonlinear Optics and Short Pulse Spectroscopy, Germany), and Weidong Chen (Fujian Inst. of Research on the Structure of Matter, Chinese Academy of Sciences, China)

[Mo1H-2] 10:45-11:00

Numerical Simulation on Synchronization of Pulse-Timing for Passively Q-Switched Microchip Lasers

Rhona Hamilton (The Univ. of Tokyo, Japan), Kenichi Hirose, Nobuo Ohata (Mitsubishi Electric Corp., Japan), Sze Yun Set, and Shinji Yamashita (The Univ. of Tokyo, Japan)

[Mo1H-3] 11:00-11:15

7.5-Watt 2.29 μm Continuous-Wave Laser Operation of Diffusion-Bonded Composite YVO₄/Tm:GdVO₄ Crystal

Xiaoxu Yu, Zhongben Pan, Han Pan, Hongwei Chu, and Dechun Li (Shandong Univ., China)

[Mo1H-4] 11:15-11:30

Microchip Orbital Angular Momentum Switchable Laser

Lan Hai, Chen Li, and Shiyao Fu (Beijing Inst. of Tech., China)

[Mo1H-5] [Invited] 11:30-12:00

Non-collinear Optical Parametric Oscillators (NOPOs): Broadband and Rapidly Tunable Femtosecond Laser Sources



F. J. Geesmann, R. Mevert (Leibniz Univ. Hannover, Germany), T. Lang (Deutsches Elektronen-Synchrotron, Germany), Y. Binhammer, D. Zuber, and U. Morgner (Leibniz Univ. Hannover, Germany)