

EUROPHOTON 2022

Tuesday 30 August 2022

Lunch and Poster Session 1 - Foyer (12:00-14:00)

[id]	title	presenter	board
[17]	Multi-point, pulse-train laser ignition of methane-air mixtures by a high- peak power passively Q-switched Nd:YAG/Cr4+:YAG compact laser	PAVEL, Nicolaie	TUE-P-1.1
[18]	Passively Q-switched Er:YAP laser generating 21 ns pulses at 2.9 μm	ŠVEJKAR, Richard	TUE-P-1.2
[19]	0.5 - 1.3 GHz tunable pulse repetition rate solid state laser generating 230 fs pulses with 200 mW average power	WÜST, Roger	TUE-P-1.3
[20]	Investigation of dual-crystal subnanosecond LBO optical parametric amplifier operating in the visible spectrum range	VENGELIS, Julius	TUE-P-1.4
[21]	Pr:YAIO ₃ microchip lasers operating at crystal temperatures close to liquid helium temperature	FIBRICH, Martin	TUE-P-1.5
[22]	Colloidal LiYF ₄ :Pr Nanocrystals Downsized to 10 nm –Part 1: Synthesis and Micro-Structural Characteristics	KOMBAN, Rajesh	TUE-P-1.6
[23]	Terahertz radiation in tailored two-color laser fields with a stabilized doubly resonant optical parametric oscillator	RAO, Han	TUE-P-1.7
[24]	Growth and optical properties of the newly developed Pr:LGSB bifunctional crystal	BROASCA, Alin	TUE-P-1.8
[25]	Development of Czochralski-grown La _{0.733} Nd _{0.035} Gd _{0.452} Sc _{2.75} (BO ₃) ₄ as a new bifunctional laser and nonlinear crystal	GRECULEASA, Madalin	TUE-P-1.9
[26]	Fan-out grating design MgO:PPLN based subnanosecond optical parametric generator with wide and continuous tunability in the near-infrared	BANYS, Jonas	TUE-P-1.10
[27]	Influence of Disk Aberrations on High-Power Thin-Disk Laser Cavities	SEIDEL, Moritz	TUE-P-1.11
[28]	Cryogenically cooled compact Yb:Lu ₂ O ₃ laser	JAMBUNATHAN, Venkatesan	TUE-P-1.12
[29]	Thermo-optical wavefront distortions in Nd:YVO ₄ laser amplifiers	SCHNEEWIND, Merle	TUE-P-1.13
[30]	Comparison of crossed-Porro prism resonator design with conventional mirror resonator design in a Ho ³⁺ :YAG laser	GRIESBECK, Michael	TUE-P-1.14
[31]	Compact cryogenic Tm:LiYF ₄ laser	ALLES, Adrian	TUE-P-1.15
[32]	Sub-30 fs Kerr-lens mode-locked Ytterbium-activated orthoaluminate laser	CHEN, Weidong	TUE-P-1.16
[33]	Improvement of noise properties in SESAM mode-locked Er: fiber femtosecond lasers by intra-cavity filtering	BOGUSŁAWSKI, Jakub	TUE-P-1.17
[35]	Mamyshev oscillator based on split-amplifier configuration	LIAUGMINAS, Gustas	TUE-P-1.18
[37]	Pulse energy enhancement by means of fiber Bragg gratings in actively Q-switched Tm ³⁺ -doped fiber lasers operating at 2050 nm and 2090 nm	SCHNEIDER, Julian	TUE-P-1.19
[38]	Highly efficient side-fused signal pump combiners based on CO ₂ -laser restructured optical fibers	BROCKMÜLLER, Eike	TUE-P-1.20
[39]	Synchronized all-PM-fiber Yb-doped amplifiers for high power fs- and ps-pulse generation	KÖNIG, Philipp	TUE-P-1.21

[40] S²-Method-Based Monitoring of Modal Composition in Optical Fibers during Fiber Component Manufacturing	HAYERLAND, Nils	TUE-P-1.22
[42] Temperature-dependent thulium cross sections	JIRÍČKOVÁ, Bára	TUE-P-1.23
[43] 1875-nm high-energy mode-locked thulium fiber laser	SRISAMRAN, Panuwat	TUE-P-1.24
[41] Rapid characterisation of Photonic Crystal Fibre dispersive properties by a stochastic and tunable picosecond pump source	WALTER, Guillaume	TUE-P-1.25
[36] Pulse broadening and compression at 515 nm in a multi-pass cell	HARITON, Victor	TUE-P-1.26
[34] Optical emission characterization of liquid core fibers filled with colloidal nanoplatelets	SPELTHANN, Simon	TUE-P-1.27