

Session Title:	[We3E] Nonlinear Frequency Conversion
Session Date:	August 7 (Wed.), 2024
Session Time:	15:45-17:15
Session Room:	Room E (114)
Session Chair(s)	Dr. Hiromitsu Kiriya (Nat'l Institutes for Quantum Science and Tech., Japan)

[We3E-1] [Invited] 15:45-16:15

Sub-150 J/10 Hz DPSS Pulsed Laser Bivox with 2<sup>nd</sup> and 3<sup>rd</sup> Harmonic Frequency Conversion

Martin Smrz, Martin Divoky, Jan Pilar, Ondrej Slezak, David Vojna, Martin Hanus, Petr Navratil, Ondrej Denk, Patricie Severová, Tomas Paliesek (HiLASE Centre, Czech Republic), Paul Mason, Jonathan Phillips, Dave Clarke, Thomas Butcher, Saumyabrata Banerjee, Mariastefania De Vido (Rutherford Appleton Lab., UK), and Tomas Mocek (HiLASE Centre, Czech Republic)

[We3E-2] 16:15-16:30

Experimental Demonstration of a kW-Class Multispectral Hollow-Core Fiber Raman Laser

Matthew A. Cooper, Timothy Bate (Univ. of Central Florida, USA), Selim Habib (Florida Inst. of Tech., USA), Joseph Wahlen, J. Enrique Antonio-Lopez, Axel Schülzgen, and Rodrigo Amezcua Correa (Univ. of Central Florida, USA)

[We3E-3] 16:30-16:45

Collinear Raman Amplifier Based on Diamond

Hao Zheng, Xin Hao, Boyuan Zhang, Xiaoyu Chang, Hui Chen, Yulei Wang, Zhenxu Bai, and Zhiwei Lu (Hebei Univ. of Tech., China)

[We3E-4] 16:45-17:00

Investigations on Scattering Centers in CsLiB<sub>6</sub>O<sub>10</sub> Crystals

Yoshihiro Kataoka, Yuto Matsumi (Osaka Univ., Japan), Ryota Murai, Yoshinori Takahashi (SOSHO CHOKO Inc., Japan), Hideo Takazawa, Shigeyoshi Usami, Masayuki Imanishi, Mihoko Maruyama, Yusuke Mori (Osaka Univ., Japan), and Masashi Yoshimura (SOSHO CHOKO Inc., Japan)

[We3E-5] 17:00-17:15

Effect of Water Reabsorption in CsLiB<sub>6</sub>O<sub>10</sub> on Picosecond Deep-Ultraviolet Pulse Generation

Kyosuke Shimada, Nagi Yamamoto (Osaka Univ., Japan), Ryota Murai, Yoshinori Takahashi



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(SOSHO CHOKO Inc., Japan), George Okada (Spectronix, Japan), Shigeyoshi Usami, Masayuki Imanishi, Mihoko Maruyama, Yusuke Mori (Osaka Univ., Japan), and Masashi Yoshimura (SOSHO CHOKO Inc., Japan)