

Session Title:	[We3E] Nonlinear Frequency Conversion
Session Date:	August 7 (Wed.), 2024
Session Time:	15:45-17:15
Session Room:	Room E (114)
Session Chairs	TBA

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

Sub-150 J/10 Hz DPSS Pulsed Laser Bivój with 2nd and 3rd 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 Banerje, 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 CsLiB₆O₁₀ 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 CsLiB₆O₁₀ on Picosecond Deep-Ultraviolet Pulse Generation

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