

Session Title:	[Mo2E] Optical Metrology II
Session Date:	August 5 (Mon.), 2024
Session Time:	13:30-15:00
Session Room:	Room E (114)
Session Chairs	TBA

[Mo2E-1] [Invited] 13:30-14:00

Robust Yb Optical Lattice Clock for Time Scales and Dark Matter Search

Takumi Kobayashi (AIST, Japan), Daisuke Akamatsu (Yokohama Nat'l Univ., Japan), Akifumi Takamizawa, Kazumoto Hosaka (AIST, Japan), Yusuke Hisai (Yokohama Nat'l Univ., Japan), Akiko Nishiyama, Akio Kawasaki, Masato Wada, Hajime Inaba, Takehiko Tanabe (AIST, Japan), Feng-Lei Hong (Yokohama Nat'l Univ., Japan), and Masami Yasuda (AIST, Japan)

[Mo2E-2] 14:00-14:15

Rydberg Atom-Based Microwave to Optical Conversion in Ambient Temperature

Sebastian Borówka, Uliana Pylypenko, Mateusz Mazelanik, and Michał Parniak (Univ. of Warsaw, Poland)

[Mo2E-3] 14:15-14:30

Practical and High SNR Mid-infrared Dual-comb Spectroscopy Based on Bidirectional Dual-comb Er Fiber Laser

Akifumi Asahara, Gakuto Fukawa, Takayuki Shimizu, Takashi Kato, and Kaoru Minoshima (The Univ. of Electro-Communications, Japan)

[Mo2E-4] 14:30-14:45

Proposal and Experimental Demonstration of a Compact Setup to Measure Spin-Orbit Coupling

Minkyung Kim and Jeonghoon Choi (GIST, Korea)

[Mo2E-5] 14:45-15:00

Master-Follower Dual Comb System based on 207 MHz Repetition Rate Optical Frequency Combs

Shotaro Kitajima, Sota Sakaguchi, and Norihiko Nishizawa (Nagoya Univ., Japan)