

Session Title:	[Mo4L] High Energy Laser
Session Date:	August 5 (Mon.), 2024
Session Time:	17:00-18:30
Session Room:	Room L (206-207)
Session Chairs	Dr. Paul D. Mason (STFC, UK)

[Mo4L-1] [Invited] 17:00-17:30

Development of Next-generation High-power Laser - Conductive-Cooled Active-Mirror Laser System "SENJU (100J, 100Hz)"

Jumpei Ogino, Koji Tsubakimoto, Hidetsugu Yoshida, Satoshi Matsuo (Osaka Univ., Japan), Shinji Motokoshi (Inst. of Laser Tech., Japan), Noboru Morio, Kana Fujioka (Osaka Univ., Japan), Shigeki Tokita (Kyoto Univ., Japan), Noriaki Miyanaga (Osaka Univ., Japan), Ken-ichi Ueda (The Univ. of Electro-Communications, Japan), Ryousuke Kodama, and Akifumi Yogo (Osaka Univ., Japan)

[Mo4L-2] [Invited] 17:30-18:00

Development and Commissioning of DIPOLE 100 Hz: A Nanosecond Diode-pumped Solid State Laser Operating at 10 J, 100 Hz

Mariastefania De Vido, Gary Quinn, Danielle Clarke, Luke McHugh, Paul Mason, Jacob Spear, Jodie M. Smith (Rutherford Appleton Lab., UK), Martin Divoky, Jan Pilar, Ondrej Denk (HiLASE Centre, Czech Republic), Thomas J. Butcher, Chris Edwards (Rutherford Appleton Lab., UK), Tomas Mocek (HiLASE Centre, Czech Republic), and John L. Collier (Rutherford Appleton Lab., UK)

[Mo4L-3] 18:00-18:15

Generation of High-Intensity, High-Quality Vortex Beams Using a Reflective Spiral Phase Mirror

Jin Woo Yoon (GIST, Korea), Sunwoo Lee (Korea Basic Science Inst., Korea), Il Woo Choi (GIST, Korea), and I Jong Kim (Korea Basic Science Inst., Korea)

[Mo4L-4] 18:15-18:30

Experimental Validation of Beam Pointing Error in Tiled Array Coherent Beam Combining

Satyajit Maji, Viswanathan Sankar, C.L. Linslal, M.S. Sooraj, and Balaji Srinivasan (Indian Inst. of Tech. Madras, India)