L1 [ICF, HEDS, Laboratory Astro Physics]

L1-1-I1 Huibo Tang	Harbin Institute of Technology	Laboratory observation of ion drift acceleration of laser-produced magnetized collisionless shocks
L1-1-I2 Jin Matsumoto	Fukuoka University	Magnetic field amplification in chiral magnetohydrodynamic simulation
L1-1-I3 Michael Grech	Ecole Polytechnique	Electron-positron-photon cascades in strong electromagnetic and in matter as a path toward pair plasma production
L1-1-I4 Shinji Koide	Kumamoto University	Instability of current sheet in low-density plasma around the anchor region of relativistic jets of AGNs
L1-1-I5 Keita Seto	Japan Atomic Energy Agency	Plasma kinetic model of nonlinear scalar QED particles in high-intensity laser pulse
L1-1-O1 Yuki Amano	ISAS/JAXA	A Laboratory plasma experiment for application to X-ray astronomy using a compact electron beam ion trap (EBIT)
L1-1-O2 Po-Yu Chang	National Cheng Kung University	Experimental Study of the Criteria for Rod Explosion in Pulsed Power Discharges
L1-2-I1 Chengzhuo Xiao	Hunan University	Spatial distributions of laser-plasma instability in the beam overlapping region
L1-2-I2 Matthew Edwards	Stanford University	Diffractive Plasma Optics for Compact Ultra-High-Power Femtosecond Lasers
L1-2-I3 Byoung-ick Cho	Gwangju Institute of Science and Technology	Frustrated Brunel Heating by Relativistic Gyromagnetic Effects in Ultraintense Laser-Matter Interactions
L1-2-I4 Mario Manuel	General Atomics	Integration and testing of advanced algorithms for controlling high-energy-density physics experiments
L1-2-I5 Yin Shi	University of Science and Technology of China	Generation of 10 kT axial magnetic fields using multiple conventional laser beams: A sensitivity study for kJ PW-class laser facilities
L1-2-O1 Devdigvijay Singh	Stanford University	Light-Structuring Plasma Holograms
L1-2-O2 TARANJOT SINGH	Dav University, Jalandhar	Second harmonic generation of high power Cosh-gaussian laser beam in Cold Quantum Plasma
L1-P1 Yuka Doke	The University of Tokyo	Experimental Study of Solar Flare Mechanism by Use of Torus Plasma Merging
L1-P2 Kaichi Iida	The University of Osaka	Development of a Diagnostic Method for Non-Equilibrium Plasma Using Thomson Scattering
L1-4-I1 Yasiaki Kishimoto	Kyoto University	Overview
L1-4-I2 Sergey Bulanov	ELI-ERIC, ELI-Beamlines	Journey Through the World of Nonlinear Waves
L1-4-I3 Hiroshi Azechi	Osaka University	Final Work: Integral Model of Hydrodynamic Instabilities in Inertial Fusion Implosions
L1-4-I4 Natsumi Iwata	The University of Osaka	Laser plasma physics from particle motion to macroscopic transport
L1-4-I5 Alexey Arefiev	University of California, San Diego	In the spirit of Professor Mima's vision for US–Japan collaboration: Discovery of a self-organized gamma-gamma collider
L1-4-I6 Kimitaka Itoh	Chubu University	In memory of Prof. Mima - Fusion Science in His Days
L1-5-I1 Liang Sun	Laser Fusion Research Center, CAEP	Boron Nitride at 500–1600 GPa: Laser-Driven Shock Compression Reveals Phase Transitions, Melting, and Dual Applications in Fusion and Planetary Science
L1-5-I2 Gabriele Cristoforetti	Intense Laser Irradiation Laboratory, INO-CNR	Experimental investigations of laser-plasma instabilities and of mitigation strategies at Shock Ignition laser intensities
L1-5-I3 Amitava Adak	Indian Institute of Technology (ISM) Dhanbad	Ultrafast dynamics in intense femtosecond laser-driven dense plasmas
L1-5-I4 Chiharu Nakatsuji	Institute of Laser Engineering, The University of Osaka	Dependences of the density-scale-length on parametric instabilities and hot-electron generation toward Shock Ignition scheme
L1-5-I5 Michael Lavell	University of Rochester	Kinetic simulations of fusion burn propagation
L1-6-I1 Omar Hurricane	Lawrence Livermore National Laboratory	Achieving Target Gain of 2.5 in Inertial Confinement Fusion Plasmas
L1-6-I2 Clément Goyon	Lawrence Livermore National Laboratory	A cohesive U.S. strategy to achieving Inertial Fusion Energy
L1-6-I3 Cliff Thomas	University of Rochester	Hybrid target design for IFE
L1-6-I4 Neil Alexander	General Atomics	Target Fabrication for Inertial Fusion Energy
L1-6-I5 Mayuko Koga	University of Hyogo	Development of Fuel Target Injection Systems for Fast Ignition
L1-6-O1 Aurélia Maïolo	CELIA, University of Bordeaux-CNRS-CEA	Design of ICF Targets for Energy Production - TARANIS Project
L1-6-O2 Qianlei Du	SJTU	Machine Learning Optimization of Room-Temperature Target for Laser Inertial Fusion Energy
L1-7-I1 Takashi Kikuchi	Nagaoka University of Technology	Study on Peripheral System and Issues for Heavy–Ion Inertial Fusion Reactor
L1-7-I2 Yuchi Wu National	Laser Fusion Research Center, CAEP	Development of the hot spot RKE diagnostics with an orthogonal nTOF sightlines
L1-7-I3 Wei-Min Wang	Renmin University of China	Laser parameter design for DCI laser fusion
L1-7-I4 Naoki Okuda	Osaka University	Efficient heating of high-density plasmas by thermal diffusion with kinetic particle transport
L1-7-I5 Tomoyuki Johzaki	Hiroshima University	Neutronic effects on ignition and burn dynamics in fast ignition laser fusion
L1-7-O1 Yasuhiko Sentoku	Institute of Laser Engineering, The University of Osaka	Fast heatwave ignition in laser fusion
L1-8-I1 Arghya Mukherjee	Amity School of Physical Sciences, Amity University	Laser driven high-energy ion beam generation using ultrathin composite targets
L1-8-I2 Nicholas Dover	Imperial College London	Developing a novel platform for investigating intense near-critical-density laser plasma interactions
L1-8-I3 Hayato Yanagawa	Osaka University	Study on propagation characteristics of relativistic laser light in overcritical density plasma
L1-8-I4 David Blackman	ELI ERIC Beamlines Facility	Laser beam smoothing techniques including the use of broadband width signals and their effect on high energy density plasmas
L1-8-I5 Yuji Takagi	Institute of Laser Engineering, Osaka University	Relativistic electron production by stochastic laser-plasma interaction in sub-relativistic intensity regime
L1-8-O1 Nathan Smith	University of York	Surrogate modelling of X-Ray emission and Positron production in Laser-Plasma interactions
L1-8-O2 Zi-Yu Chen	Sichuan University	Extreme field generation and high-quality proton acceleration driven by Bessel-Gaussian lasers
L1-9-I1 Siegfried Glenzer	SLAC National Accelerator Laboratory	The Dawn of Inertial Fusion Energy research
L1-9-I2 G. Elijah Kemp	Lawrence Livermore National Laboratory	First demonstration of a layered direct-drive inertial confinement fusion target on the National Ignition Facility
L1-9-I3 Chao Tian	Laser Fusion Research Center, China Academy of Engineering Physics	Interface slit-induced implosion asymmetry in double-shell targets: Time-resolved high-energy X-ray radiography with 10-μm spatial resolution
L1-9-I4 Bin Qiao	Peking University	Electron Stochastic and Shock Acceleration in Laboratory-Produced Turbulent Plasmas
L1-9-O1 Zhu Lei	Institute of Applied Physics and Computational Mathematics	Laboratory evidence of confinement and acceleration of wide-angle flows by toroidal magnetic fields
L1-9-O2 Wei Liu	Laser Fusion Research Center, CAEP	Diagnostics of the electron temperature distribution of hot spot using a four-color quasi-monochromatic X-ray Kirkpatrick-Baez microscope