## The 3rd US-Japan Workshop on Inertial Fusion Energy

Sunday, October 6, 2024 Hyatt Regency Atlanta, The Learning Center

Program	
13:00-13:05	Opening
Session 1 Chair: N. Iwata (ILE)	
13:05-13:25	Mathieu Bailly-Grandavaux (University of California, San Diego)
	Proton heating experiments at the OMEGA facility including a first integrated experiment relevant to the fast ignition scheme for fusion
13:25-13:45	Andrey Solodov (Laboratory for Laser Energetics, University of Rochester)
	Radiation-hydrodynamic simulations of cone-in-shell implosion design for integrated proton fast-ignition experiment on OMEGA
13:45-14:05	Naoki Okuda (Osaka University)
	Fast heat trasport in dense plasmas under PW laser irradiation
14:05-14:25	Hiroshi Sawada (University of Nevada, Reno)
	Diagnosing isochorically heated solid density Fermi degenerate plasmas using XFEL
14:25-14:35	Photo & Short break
Session 2 Chair: F. Albert (LLNL)	
14:35-14:55	Joohwan Kim (University of California, San Diego)
	Transport and energy deposition of laser-driven relativistic electrons in magnetized dense plasma
14:55-15:15	Ryunosuke Takizawa (Institute of Laser Engineering, Osaka University)
	Enhanced plasma heating using ultra-high-contrast lasers
15:15-15:35	Dean Rusby (Lawrence Livermore National Laboratory)
	Developing hot-electron temperature scaling models from an experimental and simulation literature review
15:35-15:45	Short break
Session 3 Chair: F. Beg (UCSD)	
15:45-16:05	Krish Bhutwala (Princeton Plasma Physics Laboratory)
	Scaling studies on characterization of proton focusing and heating from curved structured targets
16:05-16:25	Raspberry Simpson (Lawrence Livermore National Laboratory)
	Supporting advanced IFE science through ion acceleration studies
16:25-16:45	Natsumi Iwata (Institute of Laser Engineering, Osaka University)
	Kinetic modeling of energy transfer in burning plasmas
16:45-17:00	Discussion and Closing