

ECLIM2022 INVITED

	Session	Speaker	Title
I-1	S1	John Edwards	From Kilojoules to Megajoules The Journey to Ignition on the NIF
I-2	S1	Jean Luc Miquel	LMJ status at mid-term and full experiments ability
I-3	S1	Masakatsu Murakami	Pathway to high gain laser fusion with fast ignition scheme
I-4	S2	Marija Vranic	Theory of extreme plasma conditions
I-5	S2	Frédéric Pérez	Smilei: an open-source PIC code for laser-plasma interaction
I-6	S2	Ricardo Fonseca	New developments in the OSIRIS 4.0 framework
I-7	S3	Julius Huijts	Carrier-Envelope Phase Controlled Electron Dynamics in a Laser Wakefield Accelerator
I-8	S3	Olga Rosmej	Ultra-bright laser-driven sources of MeV particles and radiation using low density foams
I-9	S3	Elisabetta Boella	The UK effort towards a Laser-hybrid accelerator facility for radiobiological studies
I-10	S4	Zheng Gong	Ultra-relativistic spin-polarized plasma driven by high- intensity laser pulses
I-11	S4	Alessandro Curcio	Observation of tunable parametric X-ray radiation emitted by laser-plasma electron beams interacting with crystalline structures
I-12	S5	Riccardo Betti	High-Performance Implosions on OMEGA and Prospects for Direct-Drive Ignition with Multi- Megajoule Lasers
I-13	S5	David Turnbull	Broadband Lasers will be a Game Changer for ICF— Foundation for this Belief, Plans for Further Validation
I-14	S5	Marcus Roth	Proton Fast Ignition as a path to commercial fusion energy
I-15	S6	Arnaud Colaitis	3D Simulations of OMEGA implosions in presence of low mode asymmetries
I-16	S6	Christophe Dorrer	Development of the Fourth-Generation Laser for Ultrabroadband eXperiments (FLUX)
I-17	S6	Joseph Ralph	Quantifying the impact of P2 symmetry on burning plasma ICF performance
I-18	S7	Libor Juha	High-power laser-plasma chemistry: laboratory astrophysics, astrochemistry and astrobiology
I-19	S7	Subhendu Kahaly	Mirrors and Lenses generated with ultrafast light: the quest for the shortest pulse and charge bunches
I-20	S7	Michael Ehret	Optical generation of transient magnetic fields of high energy density under short laser pulse irradiation
I-21	S9	Jie Zhang	Recent progress of experimental campaigns in demonstrating the double-cone ignition scheme
I-22	S9	Gabriele Cristoforetti	Experimental investigation of Laser-Plasma Interaction in conditions relevant to Shock Ignition scheme to ICF: recent achievements and new challenges
I-23	S9	Alison Christopherson	Direct measurements of DT fuel preheat from hot electrons in direct drive inertial confinement fusion
I-24	S10	Robbie Scott	Shock Ignited Approaches to Laser Inertial Fusion Energy
I-25	S10	Martina Salvadori	Time-Of-Flight detectors and their use as diagnostic for laser-generated plasmas and accelerated particles