ECLIM 2024 - ORAL TALKS

Number	Session	Author	Title
O-1	S 1	P. Hadjisolomou	Attosecond Gamma-Ray Flashes and Electron-Positron Pairs in Dyadic Laser Interaction With Micro-Wire
O-2	S 2	I. Foldes	Pulse cleaning of short-pulse lasers by nonlinear Fourier filtering
O-3	S 2	F. Consoli	Laser-driven Electromagnetic Pulses for the manipulation of charged particle beams
O-4	S 2	J. Vábek	Modular multiscale approach to modelling HHG in gases
O-5	S 2	R. Lahaye	Laser Wakefield acceleration of electrons with optical guiding and controlled injection on the high-power laser installation Apollon
O-6	S 2	G. Williams	Tracking the solid to plasma transition using high harmonics
O-7	S 2	V. Horny	An efficient laser wakefield accelerator in the bubble regime dominated by a pump depletion
O-8	S 2	R. Nuter	Influence of the laser polarization on the optical component laser damage
O-9	S 2	A. Lech	Modification of polyetheretherketone (PEEK) surface with EUV-induced cold nitrogen plasma
O-10	S 2	P. Claveria	Incoherent Diffraction Imaging with Pseudo-Thermal Light Source
O-11	S 2	A. González	XUV Platform for Ultrafast Dynamical Studies of Materials at High Repetition Rate
O-12	S 3	O. Rosmej	Development of the DLA platform using foam targets on ARC/NIF with the PHELIX as a testbed
O-13	S 3	S. Ter-Avetisyan	Energetic negative ion and neutral atom beams from laser interaction with a liquid spray
O-14	S 3	D. Kraus	Creating and probing dense plasmas relevant to stellar interiors and inertial fusion energy
O-15	S 4	N.M. Edwards	Diffractive Plasma Optics for Controlling High-Power Light
O-16	S 4	K.Bendib-Kalache	Closure relations of relativistic hydrodynamic equations Application to the filamentation instability
0-17	S 4	M. Geissel	X-Ray Generation for Diffraction Experiments on Z*
O-18	S 4	C. Badiali	Laser-Plasma Accelerator for Unstable Particles
O-19	S 4	T. Silva	The electron cyclotron maser instability in laser-ionized plasmas
O-20	S 4	Li-Xiang Hu	Vortex laser-driven capture of hot positrons
O-21	S 4	D. Pan	Generation of sub-megatesla magnetic fields by laser-driven paiseley targets and its application to fusion reactions
O-22	S 4	F. Massimo	High-accuracy modelling of Laser driven Wakefield Acceleration
O-23	S 4	G. Giubega	Probing the Cosmos: Nuclear Isomer Production via Laser-Driven Bremsstrahlung Irradiation at ELI-NP
O-24	S 4	S. Ivanov	Artificial Intelligence Applied to the Design of Plasma Photonic Structures as High-Power Optical Elements
O-25	S 5	M. Tatarakis	High-dose laser wake-field accelerated electrons using a non-symmetric gaseous target profile
O-26	S 5	S. Kondrashev	Ion Beam Generation by High Rep-Rate Ps-lasers with Power Densities in the Range of 10^11- 10^14 W/cm2
O-27	S 5	M. Perlado	Basic considerations on the solid and liquid blanket of Laser Fusion chamber
O-28	S 6	O.y. Jian-ming	Hundreds-petawatt laser pulses reshaping and heavy ion acceleration based on plasma channels
O-29	S 6	M. Murakami	Generation of giga-electron volt (GeV) proton beams by intense-laser- driven micro-nozzle acceleration
O-30	S 6	W.Q. Wang	Resistive field generation in intense proton beam interaction with solid targets
O-31	S 6	Zs. Lécz	Ion acceleration from high-density dual-gas jet targets
O-32	S 6	P.D. Zhang	Research on laser-driven ion acceleration assisted by machine learning
O-33	S 6	V. Istokskaia	Real-time bremsstrahlung detector for monitoring laser-plasma proton acceleration
O-34	S 6	X.R. Jiang	High-flux Angularly Uniform Proton Beams from Multiple Laser Interaction with Wire-hemisphere Target
O-35	S 6	A. Dawood	Examining the Role of Magnetic Fields in Plasma Behavior and Surface Evolution of Mg-Alloy with Varied Irradiances in Femtosecond Laser Treatment
O-36	S 7	A. Bret	On the width of a collisionless shock and the index of the cosmic rays it accelerates
O-37	S 7	M. Vescovi	Reflected light characterization as a diagnostic tool for high intensity laser driven ion acceleration
O-38	S 7	T. Grismayer	Growth rate and steady-sate distribution function of a QED cascade
O-39	S 7	H. Al-Naseri	Collective plasma effects and strong field QED
O-40	S 7	Vl. Kocharovsky	Formation of current filaments and kiloTesla magnetic fields in the process of a strong discontinuity decay in a magnetized collisionless laser plasma
O-41	S 7	L.R. He	Experimental Study of Proton Acceleration using Water Leaf Targets
O-42	S 8	J. Cikhardt	Characterization of broadband EMP emission at the sub-nanosecond laser system PALS
O-43	S 8	S. Singh	Efficacy of laser-plasma interaction at Prague Asterix Laser System

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O-44	S 8	K. Krajewska	Electron Jets in Ionization Driven by Attosecond Laser Pulses
O-45	S 8	K. Zeil	Diagnosing the onset of relativistically induced transparency in high-energy laser-driven proton acceleration experiments
O-46	S 8	G.A.P. Cirrone	I-LUCE: An Upcoming Facility for Radiation Production Using High-Power Laser Beams
O-47	S 9	M. Ehret	Advances in high-repetition-rate metrology of laser-driven ion beams and electromagnetic pulses at the CLPU
O-48	S 9	M. Cipriani	Ablation loading amplification from Carbon nano-structured foams
O-49	S 9	S. Arjmand	Integration of Capillary System in Laser-Plasma Accelerators for VHEE Beam Delivery
O-50	S 9	M. Majszyk	Spectral measurements in low temperature plasmas based on gaseous mixture targets
O-51	S 9	P. Tomassini	High-Brightness GeV-scale attosecond bunches and related Compton backscattering gamma beams
O-52	S 9	R. Štefaníková	Investigating Electron Acceleration and Transport in Ultra-High Intensity Laser-Solid Interaction
O-53	S 9	M. Vranic	Direct laser acceleration: prospects and opportunities