Poster Session WP1

Wednesday 11th November 2026

17:30 - 18:45

No.	Title
WP1.1	**Apollon Real-Time Adaptive Optics (ARTAO): From demonstration to a fully operational system for PW-class lasers** Elyes Chalali, Laboratoire pour l'Utilisation des Lasers Intenses
WP1.2	**Relative femtosecond-jitter measurement between the PW-class laser beamline of the Apollon laser via spatial interferometry** Huu Dat Nguyen, Laboratoire pour l'Utilisation des Lasers Intenses
WP1.3	**The PHELIX facility at GSI: New capabilities and future plans** Zsuzsanna Major, GSI Helmholtzzentrum für Schwerionenforschung
WP1.4	**Characterization and enhancement of temporal contrast for high-intensity lasers** Valentina Shumakova, UltraFast Innovations GmbH
WP1.5	**A diagnostic of peak intensity at focus for high power laser beamlines** Ewan Harvey, AWE
WP1.6	**Extraction during Pumping (EDP) technique for CPA laser amplifiers (development and optimization)** Vladimir Chvykov, Colorado State University
WP1.7	**Pulse-front tilt mapping of on-focus femtosecond laser pulse with self-interferometry** Xinglong Xie, Shanghai Institute of Optics and Fine Mechanics
WP1.8	**Turnkey fiber-optic timing system allowing few-femtosecond synchronization of independent beamlines in high-power laser facilities** Alice Autuori, Cycle Lasers GmbH
WP1.9	**Long-term single-shot low-latency video-rate full-temporal characterization of Ytterbium and Ti:Sapphire ultrafast lasers** Paulo Guerreiro, Sphere Ultrafast Photonics
WP1.10	Talbot diffraction in long focal length off-axis parabolas Michael Uwakwe, Aperture Optical Sciences — Withdrawn
WP1.11	**Horizontal directed crystallization of large-aperture rare-earth-doped YAG single-crystal slabs for high-power laser systems** Pablo Wastermann, AT Crystals s.r.o.
WP1.12	**Optimization of laser-driven U-238 fission at the Centre for Advanced Laser Applications** Maximilian J. Weiser, Ludwig-Maximilians-Universität München
WP1.13	**A Hz-rate laser-driven ion source platform at SCAPA Bunker B** Robbie Wilson, University of Strathclyde
WP1.14	**Collimated and directional acceleration driven by intense vortex lasers** Wenpeng Wang, Shanghai Institute of Optics and Fine Mechanics
WP1.15	**PALLAS a laser-plasma electron injector test facility status and progress** Kevin Cassou, CNRS/IN2P3/IJClab; Marceau Pintonato, CNRS/IN2P3/IJClab/Amplitude Laser
WP1.16	**Study of spatio-temporal evolution and relativistic frequency shifting of twisted laser in an underdense plasma** Subhajit Bhaskar, Indian Institute of Technology Delhi Abu Dhabi
WP1.17	**PIC-based application-specific Bayesian optimization of density profiles in the self-modulated laser-wakefield acceleration regime** Victor Winter, Technical University of Darmstadt
WP1.18	**Machine learning optimization of diffraction efficiency and LIDT for MLD gratings for high intensity lasers** Johnny Eschbach, The Ohio State University
WP1.19	**ALADIN: Toward scalable adaptive laser architectures for inertial fusion energy** Jonas Ohland, GSI Helmholtzzentrum für Schwerionenforschung
WP1.20	**LAOTSE: A Modular adaptive optics testbed for beam stabilization and wavefront control for fusion drive laser systems** Mostafa Hassan, GSI Helmholtzzentrum für Schwerionenforschung
WP1.21	**Experimental evaluation of petawatt-laser-driven nano accelerators for IFE** Daniel Rivas, Marvel Fusion GmbH
WP1.22	**Thermo-optical modelling of a prototype laser driver for fusion** Ayman Qureshi, Central Laser Facility
WP1.23	**An experimental system for cold dark matter searches at ELI-NP: Commissioning results at the 0.1 PW laser beamline** Yoshihide Nakamiya, Extreme Light Infrastructure – Nuclear Physics (ELI-NP)
WP1.24	**Sensitivity Analysis of tiling errors in four-grating assemblies for broadband petawatt class laser systems** Miklós Füle, ELI-ALPS
WP1.25	**Design, optimization and fabrication of TCO-coatings for high power DKDP Pockel cells** Marco Jupe, Laser Zentrum Hannover e.V.
WP1.26	**Deep-ultraviolet deformable mirror for high-power laser wavefront control** Alok Pandey, Imagine Optic
WP1.27	**Turn-key SOA platform for coherent and broadband incoherent laser fusion front-ends** Steve Hocquet, Greenfield Technology
WP1.28	**Damage-resilient guiding of high-peak-power pulses in a reconfigurable gas-phase sonophotonic waveguide** Hanna Malang, Deutsches Elektronen-Synchrotron DESY
WP1.29	**Optics for compressors and post compression in petawatt lasers: challenges and solutions** Jianda Shao, Shanghai Institute of Optics and Fine Mechanics
WP1.30	**Wavefront stabilization in ultraintense high-power lasers via high-performance astronomy-inspired real-time controllers** Stefano Bonora, Dynamic Optics